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COTTON LITERATURE

SELECTED REFERENCES

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

"Abbreviations Used in the Department of Agriculture for Titles of Publications" (Miscellaneous Publication No. 337) is the authority for abbreviations used in COTTON LITERATURE.

PRODUCTIONBotany

3039. Abraham, P. Morphology of the somatic chromosomes of three Asiatic cottons. Indian Jour. Agr. Sci. 10(3): 299-302. June 1940. (Published by the Manager of Publications, Delhi, India) 22 Ag83I
References, p. 302.
3040. Chavirin, Ivan. A biologia do algodoeiro. Ouro Branco 6(3): 9-10. July 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
Biology of cotton.
3041. Harland, S. C. Taxonomic relationships in the genus Gossypium. Washington Acad. Sci., Jour. 30(10): 426-432. Oct. 15, 1940. (Published at 450 Ahnaip St., Menasha, Wis.) 500 W276J
Literature cited, p. 432.

Genetics and Plant Breeding

3042. Abraham, P. Cytological studies in Gossypium. I. Chromosome behaviour in the interspecific hybrid G. arboreum x G. stock-sii. Indian Jour. Agr. Sci. 10(3): 285-298. June 1940. (Published by the Manager of Publications, Delhi, India) 22 Ag83I
References, p. 295.
3043. Amin, K. C. Interspecific hybridization between Asiatic and new world cottons. Indian Jour. Agr. Sci. 10(3): 404-413. June 1940. (Published by the Manager of Publications, Delhi, India) 22 Ag83I
References, p. 413.
3044. Another long-staple cotton. Ariz. Farmer Prod. 19(16): 1. Aug. 3, 1940. (Published at 313 North Third Ave., Phoenix, Ariz.) 6 Ar44
Brief account of a new variety, Early Pima, a cross between Pima and ninth-generation SxP, developed by Dr. T. H. Kearney, is given.
3045. Ewing, Early C. Problems of practical cotton breeding. 15pp., processed. Scott, Miss., Delta & pine land company [1939] DCM Branch Libr. V. F. 120.
Bibliographical footnotes.
"Presented at the meeting of the American Society of Agronomy, Crops Section - session B, cotton breeding and genetics, in New Orleans, Louisiana, November 22, 1939."

3046. Konstantinov, N. N. Light intensity as a factor in the development of various forms of cotton. Académie des Sciences de l'URSS Comptes Rendus (Doklady) 27(6): 607-609. May 30, 1940. (Published at Moscow, U. S. S. R.) 511 P444
References, p. 609.

"Growing certain cotton forms on a short daylength has become an important auxiliary method of synthetic breeding today, and therefore even more than a great theoretical interest is attached to the question of the sensitivity of this plant to intensity of illumination."

See also Items nos. 3039, 3332, 3334, 3351, 3352.

Agronomy

3047. Chen, Y. S. Hopei cotton improvement and the future of the Stoneville no. 4. Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 10(1): 42. Jan. 1, 1940. (Published at the School of Agriculture, Cambridge, England) 241 Im73
Abstracted from Agricultural Science, Peking, June 1939.
"Regional variety tests have shown that Stoneville no. 4 is the best American cotton for the provinces of North China south of Peking. Breeding work has been carried on by the Hopei Cotton Improvement Institute to remedy the defects of this variety such as its susceptibility to diseases and lateness in the northern part of Hopei. Most of the work has been destroyed in the Sino-Japanese war but the remaining material has been preserved and more selections and crosses have been made." - Entire item.
3048. Compost from cotton stalks. Indian Textile Jour. 50(598): 282. July 1940. (Published at Military Square, Fort, Bombay, India) 304.8 In2
Also in Indian Farming 1(7): 335-336. July 1940.
3049. Cotton spacing. Prog. Farmer (Tex. ed.) 55(11): 62. Nov. 1940. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
Results of a "10-year test at the Greenville station" indicate "that 2 plants 12 inches apart was the most satisfactory rate of spacing."
3050. Cotton varieties. Prog. Farmer (Tex. ed.) 55(11): 62. Nov. 1940. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
"Rogers Acala, Delfos, California Acala, and Watson were the four highest ranking varieties in a variety test at the U. S. Cotton Field Station at Greenville, Tex., covering the eight-year period, 1932-1939."
3051. Crown national cotton picking champion in Blytheville [Ark.] event. Fifteen-year-old boy is winner, contest to be renewed next year. Cotton Trade Jour. 20(42): 1, 7. Oct. 19,

1940. (Published at Cotton Exchange Bldg., New Orleans, La.)
72.8 C8214

The winner in the contest, Harold Mason, picked 129 pounds in two hours.

Also reported in Cotton Digest 13(3): 5. Oct. 19, 1940.

3052. Cultivo del algodón en el Brasil. Revista Nacional de Agricultura 35(434): 13-14, 16. Aug. 1940. (Published by Sociedad de Agricultores de Colombia, Calle 13, Número 8-88, Bogotá, Colombia) 9.4 R32

Cotton cultivation in Brazil.

To be continued.

3053. Delta county maintains cotton income by bigger yields. Farmer-Stockman 53(20): 7. Oct. 15, 1940. (Published at 500 North Broadway, Oklahoma City, Okla.) 6 OK45

Table showing yields per acre in Delta county, Texas, for the years 1928 to 1939 is given.

3054. Experiencia algodonera. Revista Mensual B. A. P. 23(274): 29-34. Sept. 1940. (Published at Florida 783, Buenos Aires, Argentina) 9 R326

Cotton experience.

3055. Foster, W. S. When to save seed. Prog. Farmer (Tex. ed.) 55(10): 21. Oct. 1940. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311

"P. F. Brinkmann, San Elizario, Tex., ginner and farmer, says that government germination tests of cotton seed for planting purposes have proved that the best time for the farmer in this section to save planting seed at the gin is the middle of October. Seed from earlier ginnings and extremely late ginnings had germination tests of around 90 per cent while seed caught during the middle of October showed 95 per cent germination or better." - Entire item.

3056. Hendricks, H. E. How to fertilize cotton in Tennessee. Tenn. Univ. Agr. Ext. Serv. Pub. 235, 4pp. Knoxville, 1940. 275.29 T25

Discusses the kinds and amount of fertilizer to be used on the different soils of the state to secure the greatest cotton yields.

3057. Hosking, H. R. The American cotton-growing industry: some impressions--I. East African Agr. Jour. 6(1): 23-25. July 1940. (Published by Government Printer, P. O. Box 128, Nairobi, Kenya Colony) 24 Ea74

Report of a tour of the cotton growing areas of the United States made in 1938.

3058. India--a five-year cotton scheme for Sind. Cotton [Manchester] 46(2228): 8. Sent. 21, 1940. (Published by the Manchester Cotton Assoc., Ltd., 411 Royal Exchange, Manchester, 2, England) 304.8 C826
 "A five-year scheme for investigating the possibilities of growing cotton of staple longer than 1 1/16 inch spinning about 60 counts and yielding nearly 480 lbs. per acre has been recently launched in Sind by the Indian Central Cotton Committee at an estimated cost of Rs. 2 lakhs."
3059. Lambayeque, Peru. Estación agronómica de Lambayeque y Anexos. Memoria...correspondiente al año 1938 que presenta...Alberto Martin Lynch. 263pp. Chicalayo, Perú, Imprenta Ibáñez, [1940]
 Partial contents: Algodón (cotton), pp. 25-27, 95-96, Estudio experimental del cultivo de algodón en Lambayeque (Experimental study of cotton cultivation in Lambayeque), pp. 165-167.
3060. Mallo, Roberto G. Método práctico para a deslintagem da semente do algodoeiro na pequena propriedade agrícola por meio do ácido sulfúrico. Ouro Branco 6(3): 11-16. July 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
 Practical method of delinting cottonseed on the small farm by the use of sulphuric acid.
3061. Romagnoli, M., and Ippati, E. Los principales algodones cultivados en Egipto. Agronomía 5(21): 9-13. May-July 1940. (Published by Centro de Estudiantes de Agronomía, Apartado 456, Lima, Peru) 9.8 Ag83
 Principal cottons cultivated in Egypt.
3062. Romanov, V. M. [Effect of irrigation on fruit bearing of the cotton plant] Lenin Acad. Agr. Sci. USSR Proc. no. 5, pp. 42-48. 1940. (Published in Moscow, U. S. S. R.) 20 Akl
 In Russian.
3063. Sobrinho, A. Menezes. Adubação equilibrada do algodoeiro. Ouro Branco 6(3): 6, 8. July 1940. (Published at Rua Assembléia, 209, São Paulo, Brazil) 72.8 Ou7
 Balanced fertilizer for cotton.
 Also in Revistas Reunidas 10(57): 28-29. Aug. 1940.
3064. El tipo Chaco. Argentine Republic. Junta Nacional del Algodon. Boletin Mensual no. 65, pp. 423-436. Sept. 1940. (Published in Buenos Aires, Argentina) 72.9 Ar3
 Bibliography, p. 436.
 Chaco type [cotton].
 Results of tests of this variety are reported.

3065. Vines, C. A. 4-H club manual in cotton production. Ark. Agr. Col. Ext. Serv. Ext. Cir. 160, rev., 14pp. [Little Rock] 1940. 275.29 Ar4

Contains instructions for selection of varieties, preparation of land, treatment of seed, planting, spacing, cultivation, fertilizing and disease and insect control.

3066. [Warner, R. W.] Electrical flow in cotton fields called beneficial. Earth currents may have important bearing on fruitfulness, claim. Cotton Trade Jour. 20(42): 3. Oct. 19, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Report of studies being conducted at the University of Texas.

3067. West African agricultural conference, 3d, Ibadan and Samaru, Nigeria, 1938. Third West African agricultural conference (held in Nigeria, June 2-25, 1938). vol. 1. Papers. 519, 125, 12pp. [Lagos, Nigeria, Govt. printer, 1938] 27 W52 3d, v. 1
Partial contents: Ishan cotton seed multiplication, by A. E. Trotman, pp. 169-171. Cotton is mentioned on pp. 104-110 and pp. 438-439.

3068. Williams, C. B. Some practical findings from fertilizer experiments in North Carolina with different crops. N. C. Agr. Expt. Sta. Agron. Inform. Cir. 121, 21pp, processed. Raleigh, 1940. 100 N81A

"Tables show the yields, values, costs, and net returns resulting from experiments including rates of applying complete fertilizer, fertilizer combinations, and lime on different soils for cotton, corn, wheat, peanuts, potatoes, sweetpotatoes, red clover, and soybeans; concentrated v. ordinary fertilizer for sweetpotatoes; rates of nitrogen for potatoes and nitrogen carriers for potatoes and sweetpotatoes; and potassium carriers for potatoes and potassium rates for potatoes and sweetpotatoes." - U. S. Off. Expt. Stas., Expt. Sta. Rec. 82(6): 763-764. June 1940.

See also Items nos. 3044, 3045, 3072, 3102, 3104, 3107, 3110, 3155, 3157, 3159, 3172, 3180, 3186, 3188, 3290, 3320, 3321, 3330, 3332, 3334, 3348, 3351.

Diseases

3069. Blank, Lester M. Infection of cotton seedlings in the greenhouse by *Phymatotrichum omnivorum*. Phytopathology 30(8): 702-703. Aug. 1940. (Published by American Phytopathological Society, North Queen St., and McGovern Ave., Lancaster, Pa.) 464.8 P56

Abstract of paper presented to the Southern Division of the American Phytopathological Society, at the annual meeting, Birmingham, Alabama, February, 1940.

3070. Halperin, Leonardo. Fenómenos a considerarse con respecto al agente etiológico de la "mancha angular" del algodónero en nuestro país [*Phytophthora malvacearum* (E. F. Smith) Bergey] Comunicacion preliminar. Physis 15(47): 99-102. Mar. 31, 1939. (Published by the Sociedad Argentina de Ciencias Naturales, Perú 294, Buenos Aires, Argentina) 516 Sol2
Literature cited, p. 102.
Phenomenon to be considered with respect to the etiological agent of the "angular spot" of cotton in our country. [*Phytophthora malvacearum* (E. F. Smith) Bergey] Preliminary communication.
3071. Hare, James F., and King, C. J. The winter carryover of angular leaf spot infection in Arizona cotton fields. Phytopathology 30(8): 679-684. Aug. 1940. (Published by American Phytopathological Society, North Queen St., and McGovern Ave., Lancaster, Pa.) 464.8 P56
3072. King, C. J. Comparison of crop rotation and fallowing as methods on control for root knot of cotton under irrigation. Phytopathology 30(8): 709. Aug. 1940. (Published by American Phytopathological Society, North Queen St. and McGovern Ave., Lancaster, Pa.) 464.8 P56
Abstract of paper presented to the Southern Division of the American Phytopathological Society, at the annual meeting, Birmingham, Alabama, February, 1940.
3073. Lehman, S. G. Cotton seed dusting in relation to control of seedling infection by *Rhizoctonia* in the soil. Phytopathology 30(10): 847-853. Oct. 1940. (Published at Cor. North Queen St. and McGovern Ave., Lancaster, Pa.) 464.8 P56
Literature cited, p. 853.

See also Items nos. 3065, 3320, 3332, 3334, 3351.

Insects

3074. American association of economic entomologists. Cotton states branch. Proceedings of the fourteenth annual meeting... Bankhead Hotel, Birmingham, Alabama, February 7-9, 1940. Jour. Econ. Ent. 33(5): 824-825. Oct. 1940. (Published in Amherst, Mass.) 421 J822
3075. Cassidy, T. P., and Barber, T. C. Investigations in control of hemipterous cotton insects in Arizona by the use of insecticides. U. S. Dept. Agr. Bur. Ent. Plant Quar. E-506, 19pp., processed. Washington, 1940.
3076. Denier, Pedro C. L. Apuntes complementarios sobre la naturaleza y el aspecto de los daños causados por el Chalcodermus niger Hust. "podador del algodónero" y su larva. Argentine

Republic. Dirección de Sanidad Vegetal. División de Fiscalización Sanitaria. Sección Sanitaria Algodonera. Circular Técnica 3, 7pp., processed. Buenos Aires, 1940.

Complementary memorandum on the nature and aspects of the damage caused by the Chalcodermus niger Hust., "pruner of cotton" and its larva.

3077. Denier, Pedro C. L. Lista de los artrópodos dañinos o útiles a los algodones argentinos. Physis 17(49): 553-567. May 31, 1939. (Published by the Sociedad Argentina de Ciencias Naturales, Buenos Aires, Argentina) 516 Sol2

List of insects harmful and useful to Argentine cotton plantations.

3078. Extend pink boll worm cleanup date to end of October. Cotton Trade Jour. 20(41): 3. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

The extension was granted because of the lateness of the season and applies to growers in the Corpus Christi region of Texas.

3079. Gaines, R. C., Young, M. T., and Smith, G. L. Effect of insecticides used in boll weevil control upon aphids and mirids. Jour. Econ. Ent. 33(5): 792-796. Oct. 1940. (Published in Amherst, Mass.) 421 J822

3080. J., H. G. Entirely too numerous, cotton leaf perforators. Ariz. Farmer 19(19): 23. Sept. 14, 1940. (Published at 313 North Third Ave., Phoenix, Ariz.) 6 Ar44

3081. Johnston, H. G. Time to dust cotton bugs. Ariz. Farmer Prod. 19(16): 1, 9. Aug. 3, 1940. (Published at 313 North Third Ave., Phoenix, Ariz.) 6 Ar44

Methods of controlling cotton insects by dusting are discussed.

3082. Llanos, Vicente Velasco. Observaciones entomológicas sobre el cultivo de algodón en el Departamento del Atlántico. Facultad Nacional de Agronomía, Revista 2(6): 593-608. May-June 1940. (Published in Medellín, Colombia) 9.4 C717

Entomological observations on the cultivation of cotton in the Atlantic district of Colombia.

A study of cotton pests in Colombia.

3083. McDonald, R. E. Cleaning up on the pink boll worm. Tex. Farming and Citric. 17(4): 20. Oct. 1940. (Published by Watson Publishing Co., 319 East Jackson St., Harlingen, Tex.) 80 T31

A thorough cleaning of cotton fields as soon as picking is over is urged as a means of controlling the pink boll worm.

3084. McDonald, R. E. The pink bollworm situation in Texas. *Acce Press* 18(10): 8-10. Oct. 1940. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2
 "An address delivered before a meeting of the State-Wide Cotton Committee of Texas, Hillsboro, Texas, September 21, 1940."
3085. O'Dell, J. H. Mealy bugs in cotton. More of 'em than ever-- they ought to be burned. *Ariz. Farmer Prod.* 19(17): 23. Aug. 17, 1940. (Published at 313 North Third Ave., Phoenix, Ariz.) 6 Ar44
 Control by burning infested plants is suggested.
3086. El problema entomológico del algodón en Cañete. *La Vida Agrícola* 17(199): 483-496. June 1940. (Published at Casilla no. 1159, Núñez 26-A, Lima, Peru) 9.8 V66
 The entomological problem of cotton in Cañete.
3087. Riherd, Paul T. A beneficial insect. *Tex. Farming and Citric.* 17(2): 14. Aug. 1940. (Published by Watson Publishing Co., 319 East Jackson St., Harlingen, Tex.) 80 T31
 The life cycle of the insect, *Trichogramma minutum*, which is a parasite of the cotton bollworm, *Heliothis armigera*, is given.
3088. Snipes, B. Tomas. Experiencias preliminares com arseniato de chumbo e arseniato de cálcio no combate ao curuocorê, *Alabama argillacea* (Hübner.) (Lep. Noctuidae). *Revista de Entomologia* 11(1-2): 501-532. June 28, 1940. (Published at Convento S. Antonio, Largo da Carioca, Rio de Janeiro, Brazil) 421 R326
 Literature cited, p. 532.
 Preliminary experiments with lead arsenate and calcium arsenate to control the leafworm, *Alabama argillacea* (Hübner.) (Lep. Noctuidae).
3089. Thomas, F. L. Texas cotton insect situation. *Prog. Farmer* (Tex. ed) 55(10): 50. Oct. 1940. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
3090. Wille, Johannes E. Observaciones sobre *Heliothis virescens* F. como plaga del algodón en el Peru (Lep.). *Revista de Entomologia* 11(1-2): 584-588. June 28, 1940. (Published at Convento S. Antonio, Largo da Carioca, Rio de Janeiro, Brazil) 421 R326
 Bibliography, p. 588.
 Remarks on *Heliothis virescens* F., a cotton pest of Peru.
3091. Young, M. T., Garrison, G. L., and Gaines, R. C. Insecticides for boll weevil control. *Jour Econ. Ent.* 53(5): 787-792. Oct. 1940. (Published in Amherst, Mass.) 421 J832

See also Items nos. 3061, 3092, 3290, 3334, 3351.

Farm Engineering

3092. Subsoil cotton stalk cutter. Prog. Farmer (Tex. ed.) 55(11): 59. Nov. 1940. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311

The implement is described and its use in pink bollworm control is discussed.

See also Item no. 3352.

Farm Management

3093. Ousley, Clarence. "The uses of adversity." Cotton and Cotton Oil Press 41(20): 10. Sept. 28, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

The need for the "blending of livestock with cotton farming" is commented upon in this editorial.

3094. Thibodeaux, B. H. The cotton-poor South. U. S. Dept. Agr. Bur. Agr. Econ. Land Policy Rev. 3(4): 10-17. July-Aug. 1940. (Published in Washington, D. C.) 1 Ec7La

Deals "broadly with some of the fundamental considerations underlying the situations on cotton farms in the eastern Cotton Belt generally."

3095. Thibodeaux, B. H. The place of cotton in farming systems in Texas. 18pp., processed. Washington, U. S. Dept. of agriculture, Bureau of agricultural economics, 1940. 1.941 L6P69

Address before the Cotton Research Congress, Waco, Texas, June 28, 1940.

3096. U. S. Dept. of agriculture. Flexible farm lease. 2pp. [Washington, D. C., 1940] 1 Ag84La

Form Agri.-1.

The use of the lease is explained in an 8-page accompanying pamphlet, entitled, "Landlord-Tenant Cooperation."

See also Items nos. 3055, 3102, 3347.

Production Credit

3097. Vermeer, James. The use of credit on upland cotton farms. La. Rural Econ. 2(4): 13-15. Oct. 1940. (Published by Louisiana State University Press, University, La.)

Report of "an analysis of the use of credit for financing the farm business," made in connection with a farm management study in 1939, is given.

Farm Social Problems

3098. Annual agricultural conference for southwestern states. Proceedings. 1939. 100pp., processed. [Chicago] Farm founda-

tion [1939] 281.9 An7

The conference was held at Texarkana, Texas, December 8-9, 1939.

Partial contents: Changes in methods of producing farm products affecting labor organization, by C. A. Bennon, pp. 1-6; Trends in the social and economic conditions of renters, share croppers, and day hands, by J. G. McNeely, pp. 9-13; Practical policies for raising the status of tenants, croppers and day laborers, by William E. Metzler, pp. 13-14; Legal barriers that hinder improved tenancy relations, by Marshall Harris, pp. 16-25; "Helping the farmer up--" [Program of the Farm Security Administration], by A. M. Rogers, pp. 26-31; Educational programs for improving tenure conditions, by J. P. Montgomery, p. 32; Programs for improving tenure conditions through county agricultural planning committees, by G. T. Adams, p. 33; What the county land use planning committees can do to improve tenure conditions, by Ross Mauney, p. 34; County agricultural planning committees--improved tenure conditions, by E. D. Hunter, p. 35; The anticipated goals of tenure improvement in the south, by C. O. Brannen, p. 36; Summary of statement of anticipated goals of tenure improvement in the south, by William J. Coleman, pp. 37-38; Specific legislation affecting farm tenure which should be encouraged, by C. Horace Hamilton, pp. 39-45; Needed types of research on tenure problems, by Peter Nelson, pp. 49-54.

3099. Baker, J. A., and McNeely, J. G. Land tenure in Arkansas. I. The farm tenancy situation. Ark. Agr. Expt. Sta. Bul. 384, 62pp. Fayetteville, 1940.

"Cotton farming, the predominant type in the state, is to a large extent conducted by tenants, a majority of whom are share croppers."

3100. Holcomb, E. J., and Aull, G. E. Sharecroppers and wage laborers on selected farms in two counties in South Carolina. S. C. Agr. Expt. Sta. Bul. 528, 70pp. Clemson, 1940.

Issued in cooperation with the Bureau of Agricultural Economics, United States Department of Agriculture.

"The purposes of this study were: (1) to discover whether shifts in tenure status between sharecroppers and wage laborers had occurred and if so, to determine the amount and direction of such shifts; (2) to determine the effects of changes in tenure status as between sharecroppers and wage laborers in economic terms; (3) to determine what factors were associated with the shifts; and (4) to determine what prospective changes in tenure status as between sharecroppers and wage laborers are in view."

3101. Improved housing for cotton pickers. Ariz. Farmer Prod. 19(17): 1, 21. Aug. 17, 1940. (Published at 515 North Third Ave., Phoenix, Ariz.) 6 Ar44

Farm Security Administration camps for migratory cotton pickers in Arizona are described.

3102. McNeely, J. G., and Barton, Glen T. Land tenure in Arkansas. II. Change in labor organization on cotton farms. Ark. Agr. Expt. Sta. Bul. 397, 26pp. Fayetteville, 1940.

"This study was made to determine the recent trends in cotton and other crop acreages, changes in the use of mechanized equipment, and the effect of these changes upon employment of renters, share croppers, and wage laborers on cotton farms."

3103. U. S. Dept. of agriculture. The Negro in American agriculture. 11pp. Washington, D. C., 1940. 1 Ag84N

"This brief report of the services carried on by the Department of Agriculture and cooperating agencies of Government has been prepared for the further information of persons who view the Government exhibit at the American Negro Exhibition, Chicago, July 1-September 1, 1940."

"Farming is a way of life for half of all the Negroes in the United States. More than 75 percent of the American Negroes live in the South. Ninety-five percent of the Negro farm operators live in the South. Nearly half of all the southern sharecroppers are Negroes."

See also Item no. 3096.

Cooperation in Production (One-Variety Communities)

3104. Cusley, Clarence. One-variety difficulties. Cotton and Cotton Oil Press 41(22): 10. Oct. 26, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

An editorial commenting on the fact that "some of the communities using the Acala variety have been unable to sell their product at a good advantage."

See also Items nos. 3203, 3205, 3210, 3211.

PREPARATION

Ginning

3105. Adams, Orville. How do you figure power costs? Cotton and Cotton Oil Press 41(21): 5-6. Oct. 12, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

Power costs for ginning a bale of cotton are discussed.

3106. Deering, Ferdie. Co-operatives within a co-operative. Farmer-Stockman 53(19): 5. Oct. 1, 1940. (Published at 500 North Broadway, Oklahoma City, Okla.) 6 OK45

"What these cotton farmers through their cooperative gins and oil mill are doing is a challenge to farmers in other parts of Texas and Oklahoma."

3107. [Dunlavy, Henry] Caution at gin required. It is important to keep cotton seed pure, says Henry Dunlavy. Okla. Cotton Grower

20(3): 4. Sept. 15, 1940. (Published at 12 West Sixth St., Oklahoma City, Okla.) 72.8 Ok4

3108. First complete roller gin in 20 years is constructed at Canutillo, Texas. Twelve-stand outfit ginning only long-staple, SxP and Pima cotton. Cotton and Cotton Oil Press 41(22): 5-6, 18. Oct. 26, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

3109. Gerdes, Francis L., and Bennett, Charles A. Speeding up gin-saws to improve ginning. Cotton Ginners' Jour. 12(1): 7, 11. Oct. 1940. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

A report on tests made at the U. S. Cotton Ginning Laboratory, Stoneville, Miss.

3110. Martin, William J., Townsend, James S., and Walton, Thomas C. Sea-island cotton quality and ginning. 15pp., processed. Washington, U. S. Dept. of agriculture, Agricultural marketing service, 1940.

Issued in cooperation with the Bureaus of Plant Industry and Agricultural Chemistry and Engineering.

"The purpose of this publication is to summarize the information which has been obtained by ginning experiments conducted on sea-island cotton at the U. S. Cotton Ginning Laboratory at Stoneville, Miss., as well as those made in the field by various federal and cooperating state agencies."

Extracts in Cotton Digest 13(4): 10. Oct. 26, 1940.

3111. Thompson, John C. Ginning message goes out by radio. Cotton Ginners' Jour. 12(1): 9-10, 18. Oct. 1940. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

The text of an address on quality ginning broadcast over station KGKO.

3112. Townsend, James S., Walton, Thomas C., and Martin, William J. Roller-gin construction, maintenance, and operation. 14pp., processed. Washington, U. S. Dept. of agriculture, Bureau of plant industry, 1940.

Issued in cooperation with the Bureau of Agricultural Chemistry and Engineering and the Agricultural Marketing Service.

3113. U. S. Dept. of agriculture. Agricultural marketing service. Gin specialists do big work for cotton farmers. Radiocast tells of task handled by ginning engineers in cotton states. Cotton Trade Jour. 20(43): 2. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Summary of a radio program entitled, "State Gin Specialists," broadcast October 25, 1940.

Baling

3114. [Hatch, Milan] Better bale-marking recommended by bureau of New England mills. National association of cotton manufacturers hears about stray bales. Cotton Trade Jour. 20(41): 3. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Extracts from a report of the New England Cotton Freight Bureau to the annual convention of the National Association of Cotton Manufacturers, Providence, R. I., October 9, 1940, are given.

3115. To all cotton farmers and ginner. S. C. Market Bul. Sept. 26, 1940, p. 1. (Published by Commissioner of Agriculture, Commerce and Industries, Anderson, S. C.) 280.39 So8

"The Atlantic Cotton Association has called our attention to the fact that there is appearing in South Carolina, this season, cotton covered with black jute bagging. Cotton mills advise this type of bagging is unsuitable for bale covering, as particles from the black bagging getting mixed with the cotton going through every process in the mill. The mills further advise that cotton covered with this type of bagging will be subject to rejection and will cause considerable loss to the cotton farmer. As a protection to both farmer and ginner, cotton should be covered with material acceptable to the cotton mills." - Entire item.

See also Item no. 3208.

MARKETINGDemand and Competition

3116. Banana fiber. Hemp substitute from skins of the fruit. Sci. Amer. 163(5): 253. Nov. 1940. (Published at 24 West 40th St., New York, N. Y.) 470 Sci25

"The Formosa Development Co., a Japanese organization, reportedly has succeeded in producing a hemp substitute from banana skins. The concern plans to install 500 sets of a special fiber-extracting machine with which it hopes to produce 4,000,000 pounds of the substitute annually." - Entire item.

3117. Bell, W. Ray. A break down of cotton-textile purchases for defense needs. Cotton [Atlanta] 104(10): 90-91. Oct. 1940. (Published by W. R. C. Smith Publishing Company, Grant Bldg., Atlanta, Ga.) 304.8 C823

3118. Bloch, Kurt. American cotton in the Far East. Far East. Survey 9(20): 231-237. Oct. 9, 1940. (Published by American Council, Institute of Pacific Relations, Inc., 129 E. 52d St., New

York, N. Y.)

A review of American cotton in China and Japan from 1937 to date. The outlook for 1940 for American cotton exports is stated to be gloomy.

3119. Bombay millowners' association. Indian textile industry in 1939. Financial News 8(28): 6, 15. July 20, 1940. (Published at Yusuf Bldg., 43, Esplanade Road, Fort, Bombay, India) 286.8 F496

A review of the annual report of the Bombay Millowners' Association.

3120. Bradshaw, W. H. Cordura--a new rayon yarn for tire cords. Cur. News of Chem. and Chem. Engin. (News ed.) 18(18): 814-816. Sept. 25, 1940. (Published by the American Chemical Society, 706 Mills Bldg., Washington, D. C.) 381 J825N
Cordura and cotton tire cords are compared.

3121. Brazil--Exports of cotton textiles. Cotton [Manchester] 46(2227): 6. Sept. 14, 1940. (Published by the Manchester Cotton Assoc., Ltd., 411 Royal Exchange, Manchester, 2, England) 304.8 C826

A table showing the value of textile exports from Brazil for the years 1937, 1938 and 1939 is given.

3122. Britain may end pact with Japan on Indian cotton. Daily News Rec. no. 239, p. 1. Oct. 10, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

"The Ministry of Economic Warfare indicated today that the pact providing for exchange of Indian cotton for Japanese piece goods, which officially expired last April, would not be renewed. The ministry said further that the British had limited exports to Japan during the past year more than had been generally realized." - Entire item.

3123. British trade mission to South America. Cotton [Manchester] 46(2229): 7. Sept. 28, 1940. (Published by the Manchester Cotton Assoc., Ltd., 411 Royal Exchange, Manchester, 2, England) 304.8 C826

The purpose of the mission will be to "develop the already large export trade with South America and try to replace the goods previously exported from Europe but now non-available owing to the blockade."

3124. Caterson, Herbert. Greater cotton anticipations now held advisable. Trend will be upward for long period, it is pointed out. Daily News Rec. no. 234, pp. 1, 16. Oct. 4, 1940. (Published at 8 East 15th St., New York, N. Y.) 286.8 N48

A discussion of the market situation with particular reference to the cotton loan.

3125. Caterson, Herbert. Soviets buy 80,000 bales of cotton in U. S. for cash. Some in trade believe Russia could use millions more if credit is possible. Daily News Rec. no. 254, pp. 1, 11. Oct. 28, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
3126. Changes in distribution. Recent trends in fabric composition and quality--cotton going into heavier fabrics and rayon into dress goods--costs and prices factors in distribution. Amer. Wool and Cotton Rptr. 54(39): 7-8. Sept. 26, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
3127. Cotton consumption and industrial demand. Amer. Wool and Cotton Rptr. 54(37): 36. Sept. 12, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
 An editorial which says in part: "On a large percentage of industrial fabrics it is possible to produce satisfactory merchandise from lower grades and shorter staples of cotton. If a much larger percentage of the cotton consumed is to be used for industrial purposes, then it stands to reason that the cotton should be grown in the quality and staple needed at the lowest possible price and this means mechanical picking and a change in general methods in the industry."
3128. Egypt--Cotton for Mexico? Textile Weekly 26(652): 254. Aug. 30, 1940. (Published at 19, Deansgate, Manchester, 3, England) 304.8 T3127
 "A report from Cairo states that a proposal has been made by the Mexican Government to acquire important quantities of Egyptian cotton, and that this is being studied by Egyptian officials. Alexandria cotton interests stated that Mexico was offering to take the cotton in exchange for oil supplies." - Entire item.
3129. [Esselen, Gustavus J.] Cotton use for long time ahead forecast by chemist. Will be utilized as chemical raw material as well as for fiber, G. J. Esselen tells panel discussion in Providence--expects little competition from nylon. Daily News Rec. no. 240, p. 16. Oct. 11, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
 Extracts from address before the annual convention of the National Association of Cotton Manufacturers, Providence, R. I., October 10, 1940.
3130. Fisher, Russell T. Lessons learned in World war I. Helpful in present emergency. Cotton [Atlanta] 104(10): 85-87. Oct. 1940. (Published by W. R. C. Smith Publishing Company, Grant Bldg., Atlanta, Ga.) 304.8 C823
 "The smoothness with which the tremendous purchases of cotton fabrics have been made is the result of a number of carefully prepared and worked out programs," prepared by the War and Navy departments, some of which the author describes briefly.

3131. Flax may be cotton kingdom's ally. If TVA and Georgia Tech have their way, soil will be saved from one-crop system and South will have a new industry. Textile trade keeps fingers crossed. Business Week no. 580, pp. 54-55. Oct. 12, 1940. (Published at 330 West 42d St., New York, N. Y.) 280.8 Sy8

The development by engineers of Georgia Institute of Technology of a machine for removing the wood from flax so that it can be spun in cotton mills is noted.

3132. Flax prepared by machine and spun on cotton equipment by Georgia tech. engineers. Daily News Rec. no. 31, pp. 1, 17. Oct. 1, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

"A method of removing wood from flax fiber by machinery and for spinning the fiber on equipment now used in cotton mills has been developed by engineers of the Georgia School of Technology."

3133. Germany's cotton position. Main sources of supply barred. Indian Textile Jour. 50(598): 282. July 1940. (Published at Military Square, Fort, Bombay, India) 304.8 In2

"Textile supplies are vitally important, both in peace and war. Without clothing, an army cannot fight, nor a civilian population work. Without string, cord, rope, sacking and belting, industrial processes cannot be carried on. Cotton is required in the manufacture of motor tyre cords and explosives, and sandbags have become indispensable in modern warfare. Germany's position in this regard is serious."

3134. La guerra Europea y nuestro algodón. La Vida Agricola 17(199): 539-540. June 1940. (Published at Casilla no. 1159, Núñez 26-A, Lima, Peru) 9.8 V66

The European war and our cotton.

3135. Hickman, Francis G. Home consumption India's hope in face of European trade loss. Increased exports to U. K. looked for, some big firms pessimistic. Cotton Trade Jour. 20(40): 1, 3. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

The sixth of a series of articles on the cotton situation in the Orient.

3136. Japanese cotton imports to be reduced in retrenchment move. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(13): 444-450. Sept. 30, 1940. (Published in Washington, D. C.) 1.9 St2F

Japanese cotton industry outlook for the 1940-41 season is discussed.

3137. Japan's textile industry and trade. Textile Weekly 26(657): 427-428. Oct. 4, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
To be continued.
"The information [in this article] is from the U. S. Department of Commerce, and is based on reports from foreign service officers, including the American Consuls at Osaka and Yokohama, and the American Commercial Attache at Tokyo." A table showing Japanese exports of cotton piece goods, by countries, for 1938 and 1939 is included.
3138. [Kelley, Robert C.] Research urged on mills making industrial textiles. Manufacturers must be up on products developments to meet competition of plastics, etc., says chairman of Purchasing agents' textile committee. Daily News Rec. no. 251, pp. 12, 14. Oct. 24, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 M48
Address before the 14th annual meeting of the Cotton-Textile Institute, Inc., New York City, October 23, 1940.
3139. [McConaughy, Walter P.] Japan to buy less Houston cotton. Cotton Digest 13(4): 5. Oct. 26, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
An estimate of purchases of 500,000 bales of American cotton this season by Japan is noted.
3140. [McConaughy, Walter P.] Japanese export shifts reducing Arizona takings. McConaughy, U. S. consul at Osaka discusses outlook at Phoenix dinner. Cotton Trade Jour. 20(42): 6. Oct. 19, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
"Falling off in Japanese demand for Arizona cotton is due not only to competition of non-American growths but also to changes in requirements of consumers of Japanese textiles."
3141. McLaurine, W. M. Southern cotton-textile mills are ready to aid defense. Cotton [Atlanta] 104(10): 83-84, 87. Oct. 1940. (Published by W. R. C. Smith Publishing Company, Grant Bldg., Atlanta, Ga.) 304.8 C823
3142. New uses for jute. Tests with hessian fabrics for road reinforcement in Calcutta. Indus. Fibres Rev. 6(3): 47. Sept. 1940. (Published by Sisal Publications Ltd., 18-19 Great St. Helens, London, E. C. 3, England) 73.8 S182
Specifications and descriptions of the fabric used in the test are given.
3143. Opitz, Chas. E. British demand brightest spot in future mart. Seek 50,000 a month of barter cotton; may take textiles in addition. Cotton Trade Jour. 20(40): 1, 8. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

3144. Outlook for cotton consumption. Some estimates too optimistic--uncertainty about Japan and Spain--mistaken ideas as to war demands--domestic consumption can't be increased enough. Amer. Wool and Cotton Rptr. 54(37): 7-8. Sept. 12, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
3145. Red Cross turning out surgical dressings on war-time schedule. Gauze and other cotton materials run to many millions of yards. Cotton Trade Jour. 20(40): 8. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
3146. "Redrose." Italy's lost exports. Nearly 150 million yards of textile fabrics a year. Textile Weekly 26(656): 391. Sept. 27, 1940. (Published at 49 Deansgate, Manchester, 3, England) 304.8 T3127
Losses of export trade due to the war in Europe are discussed.
3147. Riemer, Harry. 10,000,000-bale cotton use goal for U. S. held in sight. Joint effort of three groups are taking strong hold, Murchison tells Providence parley of mill men. Daily News Rec. no. 240, pp. 1, 4. Oct. 11, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N43
Report of address of Dr. C. T. Murchison before the annual convention of the National Association of Cotton Manufacturers, Providence, R. I., October 10, 1940.
3148. Russia is buying on huge scale, releasing own growths to Europe. Soviet in market for American, Brazilian cotton. Estimates of prospective takings run as high as million bales. Cotton Trade Jour. 20(43): 1. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
3149. Sino-Japanese war. Textile Mercury and Argus 103(2676): 6. July 5, 1940. (Published at 41, Spring Gardens, Manchester, England) 304.8 T318
The effect of the war on the Chinese textile industry is discussed.
3150. Sommer, Robert. French desperate for cotton, hope for staple small. Mills lacking imports and without substitute fibers nearly idle. Cotton Trade Jour. 20(43): 6-7. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
3151. The Statist half-yearly banking and commercial review. Statist, v. 136, no. 3263, Sept. 7, 1940, special sect. (14pp.) between pp. 204-205. (Published at 51 Cannon St., London,

E. C. 4, England) 286.8 St2

Pages 9-14 contain reviews of the cotton industry, the rayon outlook, the wool textile industry, and the flax, hemp and jute trades.

3152. "Strongest yarn." Celanese introduces tough fiber used in England for defense and industry here. Business Week, no. 577, p. 40. Sept. 21, 1940. (Published by McGraw-Hill Publishing Co., Inc., 350 W. 42nd St., New York, N. Y.) 280.8 Sy8

The new material to be manufactured by Celanese Corporation of America, is said to have wet and dry strengths considerably in excess of any natural or synthetic fiber.

3153. Switzerland buys Russian, is driven to it by blockade. Cotton Trade Jour. 20(43): 1. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

A brief article stating that the "Swiss government has just booked a large transaction for Russian cotton."

3154. Textile fiber from petroleum waste. Textile Colorist 62(738): 384. June 1940. (Published at 233 Broadway, New York, N. Y.) 306.8 T31

"The American Commercial Attache at the Hague says investigations into the possibility of producing a synthetic textile fiber from petroleum are being conducted in the Netherlands by a subsidiary of the Royal Dutch Shell organization. The basic material used in the experiments, it is said, is obtained from waste gasses of gasoline cracking installations, such gasses being broken up under very high temperature. The process is still in the experimental stage and no actual production has yet developed. However, sponsors of the enterprise are said to be encouraged by the results so far obtained." - Entire item.

3155. Todd, John A. Cotton statistics. Textile Mfr. 66(787): 262-263. July 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126

Among the tables included are the following: Egyptian cotton crop by varieties, seasons 1935-36 to 1939-40; World cotton consumption, seasons 1938-39 and 1939-40; U. S. consumption by varieties, seasons 1938-39 and 1939-40.

3156. Trade with South America. Cotton board's publicity plan. Manchester Chamber of Com. Monthly Rec. 51(9): 261. Sept. 30, 1940. (Published at Ship Canal House, King St., Manchester, 2, England) 287 M31

Adoption of a plan to stimulate the sale of British cotton goods in Argentina by the use of propaganda and advertizing, is reported.

3157. U. S. Dept. of agriculture. American-Egyptian cotton consumed in the United States. U. S. Dept. Agr. Crops and Markets 17(9): 208. Sept. 1940. (Published in Washington, D. C.) 1 Ag84Wcm

A chart showing consumption for the years 1931-32 to 1939-40, is given.

3158. U. S. Dept. of agriculture. Agricultural marketing service. Increasing cotton consumption. Cotton Digest 13(1): 7. Oct. 5, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

The text of a radio program broadcast September 25, 1940.

3159. U. S. Dept. of agriculture. Bureau of agricultural economics. The Cotton Situation (Fall Outlook Issue) no. CS-48, pp. 1-15. Oct. 1940. (Published in Washington, D. C.) 1.9 Ec752F

This issue has been prepared with particular reference to the 1940-41 cotton outlook. A table showing mill consumption of American cotton in specified areas, 1920-39 is also included.

3160. U. S. Dept. of agriculture. Bureau of agricultural economics. U. S. consumption of cotton to top records, is claim. More than 8,000,000 bales to be consumed this season, says Bureau. Cotton Trade Jour. 20(40): 3. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

3161. U. S. Dept. of agriculture. Office of foreign agricultural relations. Japan buys Iraq's entire cotton crop and carry-over. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(15): 526-527. Oct. 14, 1940. (Published in Washington, D. C.) 1.9 St2F

Iraq's 1940 cotton crop and carry-over amounts to about 25,000 bales.

Also in Cotton Trade Jour. 20(42): 6. Oct. 19, 1940; Cotton Digest 13(3): 9. Oct. 19, 1940.

3162. U. S. Dept. of agriculture. Surplus marketing administration. Houston awarded cotton stamp plan. Cotton Digest 13(4): 3. Oct. 26, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

The stamp plan for cloth distribution has been approved for Houston and Harris County, Texas.

3163. War prize cotton and barter bales to go on market. British spinners to be offered 150,000 bales soon, Washington hears. Cotton Trade Jour. 20(43): 1. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

"Plans for the release and sale of American cotton acquired by the British Government under the cotton-rubber exchange agreement are...reported to be well advanced."

Also in Cotton Digest 13(4): 11. Oct. 26, 1940.

See also Items nos. 3181, 3182, 3184, 3260, 3276, 3304, 3311, 3318, 3339, 3349, 3350, 3353, 3355.

Supply and Movement

3164. Algodon. Paraguay. Ministerio de Agricultura, Comercio e Industrias. Boletin 1(1): 8-10. Jan.-June 1940. (Published in Asuncion, Paraguay)
Cotton [production and export statistics, Jan.-June 1940]
3165. Bemis, M. E. Cotton, migrants, and a hot, dry summer. Calif. Cult. 87(20): 552, 555. Oct. 5, 1940. (Published at 317 Central Ave., Los Angeles, Calif.) 6 C12
A brief article commenting on the outlook for the 1940 Arizona cotton crop.
3166. Commercial & financial chronicle. Cotton movement and crop of 1939-40. Com. & Financ. Chron. 151(3927): 1781-1796. Sept. 28, 1940. (Published by William B. Dana Co., 25 Spruce St., New York, N. Y.) 286.8 C73
An annual review.
3167. Cotton growing in Australia. Jour. Com. [N. Y.] 186(14370): 4. Oct. 28, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
An editorial commenting on Australia's five-year plan to increase the raw cotton production to 250,000 bales annually.
3168. Cotton imports short of the federal quota. Jour. Com. [N. Y.] 186(14355): 14. Oct. 9, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
"Reports for the period September 20, 1939, through September 19, 1940, show that cotton of staple length less than 1 1/8-inch imported into the United States totaled 9,903 bales or 34 per cent of the 29,034-bale import quota. Cotton of 1 1/8-inch and longer staple imported totaled 63,391 bales or 69 per cent of the 91,313-bale quota."
The quota was put into effect following the announcement of the export subsidy for the 1939 season.
3169. Cotton shipments to Russia rising. Total of 36,625 bales has cleared--some expect heavy movement. Jour. Com. [N. Y.] 186(14366): 14. Oct. 23, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
3170. Cotton supply and distribution in America. U. S. A. Department of commerce official statistics. Textile Weekly 26(655): 356, 358. Sept. 20, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
Comments on the Bureau of the Census report, Supply and Distribution of Cotton in the United States, Season of 1939-40, are given. The report is also reprinted.

3171. Debemos producir más algodón. Es muy posible que en breve plazo en Europe se comience a sentir la falta de algodón. Gaceta Algodonera 17(199): 1-2. Aug. 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11
We ought to produce more cotton. It is very possible that in a short time Europe may begin to feel the lack of cotton.
3172. Grading up India's cotton crop: larger area under improved varieties. Indian Textile Jour. 50(593): 281. July 1940. (Published at Military Square, Fort, Bombay, India) 304.8 In2
"Bombay cultivators who planted improved varieties of cotton and pooled their produce realized an additional profit, estimated at Rs. 37,350, from fields sown under Jayawant and about Rs. 73,000 from fields under Gadag No. 1."
Also in Textile Mercury and Argus 103(2682): 154. Aug. 16, 1940.
3173. [India. Indian central cotton committee] Staple length of the Indian cotton crop--season 1939-40. Cotton [Manchester] 46(2228): 7. Sept. 21, 1940. (Published at Ship Canal House, King St., Manchester, 2, England) 287 M31
A statistical table showing cotton production in India, by staple lengths, seasons 1938-39 and 1939-40 is given.
3174. [Molyneux, Peter] Texas bears an unfair share of cotton cut. Effort of West Texas Chamber of Commerce to remove discrimination deserves full support. Tex. Weekly 16(35): 1-3. Aug. 31, 1940. (Published at Liberty Bank Bldg., Dallas, Tex.) 280.8 T31
An editorial.
3175. [Molyneux, Peter] Why Texas is the goat and will remain so. Apparently Democratic politicians and Washington bureaucrats can get away with anything. Tex. Weekly 16(37): 1-3. Sept. 14, 1940. (Published at Liberty Bank Bldg., Dallas, Tex.) 280.8 T31
Texas cotton acreage allotments are criticized in this editorial.
3176. Peruvian cotton. Cotton [Manchester] 46(2227): 8. Sept. 14, 1940. (Published by the Manchester Cotton Assoc., Ltd., 411 Royal Exchange, Manchester, 2, England) 304.8 C826
"Exports for the full season (August, 1939-July, 1940) totalled to 310,355 bales as against 350,712 bales in the previous season. Exports to Great Britain totalled to 185,607 bales, as against 166,396 bales, but exports to Germany decreased from 89,857 bales in 1938-39 to 6,243 bales in the past season."

3177. Reid, J. W. Brazil as a competitor in world cotton trade. Southwest. Social Sci. Quart. 21(2): 138-141. Sept. 1940. (Published by The Southwestern Social Science Association, Daniel Borth, Jr., Secty.-Treas., Louisiana State University, University, La.) 280.8 So82
Cotton production in Brazil is discussed. A table showing exports from the United States and Brazil for the seasons 1934-35 to 1938-39 is included.
3178. Todd, John A. Cotton statistics. Textile Mfr. 66(788): 300. Aug. 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
A table showing U. S. stocks of American cotton June 1938, June 1939, and April, May and June 1940 is given.
3179. U. S. Dept. of agriculture. Agricultural marketing service. Grade and staple of carry-over is subject of survey. Length is somewhat better than year before, grades about same. Cotton Trade Jour. 20(40): 4. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
A summary of the report on the grade and staple length of cotton in the carry-over on August 1, 1940.
3180. U. S. Dept. of agriculture. Agricultural marketing service. Quality of crop holds up under picking delays. Radiocast by Agricultural marketing service discusses quality outlook. Cotton Trade Jour. 20(43): 4. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
Summary of a radio program entitled "Cotton Crop and Quality Reports" broadcast October 16, 1940.
3181. U. S. Dept. of agriculture. Agricultural marketing service. Shift to longer staples making for mill economy. Radio audience hears of Fred Taylor's talks with mills on their needs. Cotton Trade Jour. 20(43): 2. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
Summary of a radio broadcast.
Also in Cotton Digest 13(4): 14. Oct. 26, 1940.
3182. U. S. Dept. of agriculture. Bureau of agricultural economics. Cotton, American: world supply and consumption, 1920-40. U. S. Dept. Agr. Bur. Agr. Econ. Cotton Situation CS-47, p. 1. Sept. 1940. (Published in Washington, D. C.) 1.9 Ec752F
A chart with explanatory notes.
3183. U. S. Dept. of agriculture. Bureau of agricultural economics. 1941 agricultural outlook charts. Cotton and tobacco. 24pp., processed. Washington, D. C., 1940.
Issued in cooperation with the Agricultural Marketing Service.

3184. U. S. Dept. of agriculture. Bureau of agricultural economics. World cotton supply increased. U. S. Dept. Agr. Bur. Agr. Econ. Agr. Situation (Annual Outlook Issue) 24(10): 14-15. Oct. 1940. (Published in Washington, D. C.) 1 Ec7Ag
3185. U. S. Dept. of agriculture. Office of foreign agricultural relations. Cotton production in southeastern Europe expanded to meet industry needs. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(16): 589-595. Oct. 21, 1940. (Published in Washington, D. C.) 1.9 St2F
 A table showing cotton production and total imports, by countries, of southeastern Europe (Turkey, Greece, Bulgaria, Yugoslavia, Rumania) for the years 1927-28 to 1939-40, is given.
 Also in Cotton Trade Jour. 20(43): 6-7. Oct. 26, 1940.
3186. [U. S. Dept. of agriculture. Office of foreign agricultural relations.] Larger world cotton crop in prospect for 1940. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(17): 620-624. Oct. 28, 1940. (Published in Washington, D. C.) 1.9 St2F
 A table showing world cotton production, by countries, for 1938-39 and 1939-40 with an estimate for 1940-41 is given.
 Also in Daily News Rec. no. 255, p. 8. Oct. 29, 1940; Cotton Trade Jour. 20(44): 1, 4. Nov. 2, 1940; Cotton Digest (Memphis ed.) 13(5): 14. Nov. 2, 1940.
3187. U. S. Dept. of agriculture. Office of foreign agricultural relations. World cotton exports in 1939-40 above preceding season. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(14): 481-486. Oct. 7, 1940. (Published in Washington, D. C.) 1.9 St2F
 A table giving a summary of world exports, average 1923-24 to 1932-33, and seasons 1936-37 to 1939-40, is included.
3188. Whitaker, F. H. Cotton: acreage, yield, and production, 1866-1938, by states, and related data. 66pp., processed. Washington, U. S. Dept. of agriculture, Agricultural marketing service, Crop reporting board, 1940.
 Tables showing the value of cotton and cottonseed 1909-1938, and reduction in cotton yield from weevil damage and other causes, 1909-1938, are also included.
- See also Items nos. 3118, 3135, 3139, 3148, 3153, 3155, 3159, 3161, 3292, 3293, 3294, 3296, 3303, 3305, 3321, 3325, 3347, 3348.

Prices

3189. O algodão de São Paulo, continúa a ser vendido a preços inferiores ao Americano. Revistas Reunidas 10(57): 16-17. Aug. 1940. (Published at Rua de S. Bento, 389, S. Paulo, Brazil) 72.8 R322

Sao Paulo cotton continues to be sold at prices lower than for American.

A table comparing prices of São Paulo and American cotton for the period August 5, 1939 to July 18, 1940, is given.

3190. Grade and staple differences under exchange scrutiny. Committee at New York recommends elimination of erroneous procedure. Cotton Trade Jour. 20(40): 1. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

"Details of the recommendations are not available pending action by the Board of Managers [New York Cotton Exchange] but the line of the committee's work indicates that a method of weighted averages for arriving at grade and staple differences is looked upon with favor."

3191. Liverpool has now maximum price set. March top fixed at 7.54d--Giza limit 11.44d and Ashmouni 11.03d. Jour. Com. [N. Y.] 186(14355): 14. Oct. 9, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

"Trading is officially restricted to the March position for American futures and the maximum price is now 7.54d a pound against 7.50d the maximum set after the closing of the market in late September."

3192. Liverpool limit price frozen at October 7 level. Cotton Trade Jour. 20(41): 1. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Maximum prices on futures contracts for American and Egyptian have been fixed at the closing prices at Liverpool on October 7.

See also Items nos. 3104, 3124, 3159, 3198, 3307, 3308, 3318.

Marketing and Handling Methods and Practices

3193. Additional delivery points for Liverpool. Cotton Trade Jour. 20(41): 1. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

"The new Liverpool futures contract now being worked out is said to provide for delivery not only at Liverpool as heretofore but also at Manchester, Safford, Bolton and Oldham. Extension of the delivery privilege to Manchester has been sought hopefully heretofore, but without success, the membership of the Liverpool association voting against any change. There are reasons, no doubt, why Liverpool

delivery might be preferable but the reasons are not readily apparent; and, the change, even though it be made under war pressure, is likely to prove a popular one." - Entire item.

3194. Blackwell, Jack. The commodity speculative point of view. Cotton and Cotton Oil Press 41(20): 5-6. Sept. 28, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
The author states that "speculation is a profession much the same as banking, law or medicine that takes many years of experience on the part of the speculator to learn the rudiments of his profession."
3195. CEA scrutinizing war time role of futures markets. Mehl, new CEA chief, would preserve functioning, hints difficulties. Cotton Trade Jour. 20(43): 1, 3. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
3196. Fulmer, Hampton P. Grain and cotton exchanges being used for the purpose of gambling and speculating in farm products. Cong. Rec. 86(192): 20533-20534. Oct. 14, 1940. (Published by United States Congress, Washington, D. C.) 148.2 R24
3197. Government control hurts futures. Cotton Digest 13(4): 8. Oct. 26, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
An editorial discussing the effect of the government cotton programs on the futures exchanges.
3198. Liverpool exchange resumes trading. Cotton Digest 13(1): 4. Oct. 5, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Trading was resumed October 1, after a three day suspension, with maximum prices fixed for American and Egyptian by the cotton controller.
3199. 1-month futures established for Liverpool mart. Trading in American limited to March, Egyptian to January. Cotton Trade Jour. 20(40): 1. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
An announcement that all open contracts in American cotton will be concentrated in the March position with trading subject to official price limits until the establishment of a new emergency contract.
Also reported in Jour. Com. [N. Y.] 186(14352): 1, 9. Oct. 5, 1940.
3200. Ousley, Clarence. Hazards of speculation. Cotton and Cotton Oil Press 41(21): 10. Oct. 12, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
An editorial commenting on the article, "Commodity Speculative Point of View," by Jack Blackwell.

3201. Straddle buying from Bombay here. Discounts of East Indian market from New York are widening. Jour. Com. [N. Y.] 186(14366): 14. Oct. 23, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

"Straddles are being placed in anticipation that American cotton will hold steady under loans and possibly rise, while Indian, unsupported by loans, may decline as the crop there comes to market later in the season."

3202. [U. S. Dept. of agriculture. Office of foreign agricultural relations,] New cotton-futures contract expected at Liverpool. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(17): 626. Oct. 28, 1940. (Published in Washington, D. C.) 1.9 St2F

"The contract has been drawn up by the Directors of the Liverpool Cotton Association, and is expected not only to provide for a new cotton-price regulation based upon fixed relationships to overseas prices plus importing costs and carrying charges, but also to permit tenders of cottons other than American or Egyptian."

See also Items nos. 3191, 3192, 3287, 3302, 3334.

Marketing Services and Facilities

3203. Ballinger, Roy A., and Little, Herschel W. Use of the Smith-Doxey cotton classing service in Louisiana. La. Rural Econ. 2(4): 9-10. Oct. 1940. (Published by Louisiana State University Press, University, La.)

Use of the service by Louisiana cotton farmers is advocated.

3204. Cotton fire & marine underwriters. Classification of cotton compresses, warehouses and wharves for season 1940-1941. 54pp. Columbia, S. C. [1940] 225 C82

3205. FitzSimmonds, A. L. Government classing. Cotton and Cotton Oil Press 41(20): 7. Sept. 28, 1940. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C832

"At least one cotton improvement group approved for the government free classing is reported to have had its agreement cancelled. The cancellation has been due to repeated violation of the clause which provides that only samples of cotton grown by members of an approved group can be classed free."

3206. Give cooperatives producers' loan rights, CCC plan. Farmers are permitted to assign borrowing power to collectives. Cotton Trade Jour. 20(40): 1, 7. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

A discussion of the provisions of two forms, "Producer's Warranty and Agreement" and "1940-41 CCC Cotton Form G,"

issued by the Commodity Credit Corporation of the United States Department of Agriculture, is given. The forms are reproduced.

3207. Government cotton loan information. Loan advances depend on quality and point of origin. Mid south members will profit by using new loan valuation pool. Mid-So. Cotton News 1(1): 1. Oct. 1940. (Published by Mid-South Cotton Growers Association, Memphis, Tenn.) 72.8 C8295
3208. [Jones, J. Roy] Farmers protest loan provision. S. C. Commr. Agr., Com., and Indus. S. C. Market Bul. v. 18, p. 1. Oct. 17, 1940. (Published at Anderson, S. C.) 280.39 So8
Complaints from farmers regarding the government policy of making loans on a net weight basis are noted.
3209. Karachi cotton trade landmark. Opening of second cotton exchange in India. Indian Textile Jour. 50(598): 280-281. July 1940. (Published at Military Square, Fort, Bombay, India) 304.3 In2
3210. Matlock, Robert L. What about cotton classing? It's free, it's required for govt. loan, and may bring grower better price. Ariz. Farmer Prod. 19(17): 10-11. Aug. 17, 1940. (Published at 313 North Third Ave., Phoenix, Ariz.)
6 Ar44
The free classification of cotton for members of organized improvement groups, authorized by the Smith-Doxey Act of 1937, is discussed.
3211. One-variety plan discussed in Dallas. Cotton Digest 13(3): 10. Oct. 19, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Report of a meeting of cotton leaders held in Dallas, Texas, "this week." A. M. Dickson "outlined the comprehensive marketing program of the government now in operation in nearly 500 Texas communities involving some 1,000,000 bales of one-variety or type cotton."
3212. Special loan plan announced by Mid-South [cotton growers] association. Offers sales options to fit particular needs. Mid-So. Cotton News 1(1): 1. Oct. 1940. (Published by Mid-South Cotton Growers Association, Memphis, Tenn.)
72.8 C8295
3213. [U. S. Dept. of agriculture. Agricultural marketing service] 24-hour classing service given on CCC loan cotton. Radio-cast sponsored by Agricultural marketing service tells of work. Cotton Trade Jour. 20(11): 3. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.)
72.8 C8214
The text of a radio program, "Classing 1940 Loan Cotton," broadcast October 3, 1940.
Also in Tex. Co-op. News 20(10): 4. Oct. 15, 1940.

3214. U. S. Dept. of agriculture. Commodity credit corporation. Instructions to warehousemen. 24pp., processed. Washington, D. C. [1940]

Instructions for the guidance of warehousemen in connection with 1940 cotton loans are given. A "list of counties in each state showing classing office to which samples of loan cotton should be forwarded for classing," is included.

3215. [Wassall, Harry W.] Classing boards too lax on loan cotton, is claim. Wassall hears classing personnel at fault, expects correction. Cotton Trade Jour. 20(41): 8. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

See also Items nos. 3124, 3219, 3297, 3310, 3312, 3319, 3325, 3341.

Marketing Costs

3216. Eberhart, J. E., comp. Rates applying on cotton, compressed and uncompressed, carload and less carload...effective September 7, 1940. 42pp. Atlanta, Ga. [Southeastern compress and warehouse company, 1940] 239.22 Eb3

"Freight rate table no. 4. (Cancels freight rate table no. 3)."

"Cotton rates from points in entire cotton belt to mill points in southeast, New England and Dominion of Canada and from points in southeast, to south Atlantic and east gulf ports," are given.

See also Items nos. 3204, 3313.

Cooperation in Marketing

3217. Cooperativas algodonerias Chaqueñas. El 27 de Noviembre ppdo. se reunio en la capital del territorio para estudiar los diversos puntos que contendra el memorial a presentarse a la Camara de diputados de la nacion. La Cosecha 1(6): 12-13. Dec. 1938. (Published at Av. R. Saenz Peña 943, Buenos Aires, Argentina) 9 C82

Chaco cotton cooperatives. Meeting to be held in the capital of the territory on the 27th of November to study the several topics in the memorandum to be presented to the Chamber of Deputies of the nation.

3218. Federated co-ops to have cotton dept. In answer to demand of agricultural leaders and farmers, cotton department established. Co-op. Farmer 18(12, i. e. 15): 1. Oct. 1940. (Published at 219 1/2 East Capitol St., Jackson, Miss.) 380.28 C7892

The establishment of a Cotton Marketing Department by the Board of Directors of the Mississippi Federated Cooperatives, is noted.

3219. Many services offered producers by association. Oklahoma cotton cooperative association will operate as individual state unit during the coming season. Government loans will be made by OCCA. Three regular pools--immediate fixation, call and valuation--will be offered to cotton producers. Okla. Cotton Grower 20(3): 1. Sept. 15, 1940. (Published at 12 West Sixth St., Oklahoma City, Okla.) 72.8 Ok4
3220. Some growers believe in outguessing the market. Present day methods require experts constantly to remain alert to market trends. Mid-So. Cotton News 1(1): 4. Oct. 1940. (Published by Mid-South Cotton Growers Association, Memphis, Tenn.) 72.8 C8295
- Farmers are advised to market their cotton through the cooperatives.

See also Items nos. 3206, 3207, 3212, 3310.

UTILIZATION

Fiber, Yarn and Fabric Quality

3221. [Apponoug co.] Claim uniformity for new Apponauug permanent finish. Daily News Rec. no. 248, p. 14. Oct. 21, 1940. (Published at 8 East 15th St., New York, N. Y.) 286.8 N48
- A new permanent starchless finish, the "Apponized finish, as it is being called, fuses with the cotton fibers, which is said to explain why it is permanent. Thus impregnated, the finish remains in the cotton fibers for the life of the fabric, resisting both wear and washing, it is explained."
3222. Araki, Tunao. Ueber die acetylierung der cellulose, I. Ueber den acetylierungsmechanismus und die eigenschaften der zwischenprodukte. Soc. Chem. Indus. [Japan] Jour. 45(2): 49B-52B. Feb. 1940. (Published by the Society of Chemical Industry, Yuraku Bldg., Marunouchi, Tokyo, Japan) 385 J82
- On the acetylation of cellulose. I. On acetylation mechanisms and the properties of products.
- The author describes a series of acetylations designed to secure more homogeneous conditions than those normally adopted. The scoured cotton was first steeped in water, expressed to three times its weight, then transferred to a large volume of 85 per cent. acetic acid followed by the 100 per cent. acid, expressed to three times its weight, and shredded. This reduced the time required for dissolution in the acetylating mixtures from about 10 hours to 75 minutes. Acetylations were carried out with various combinations of acetic anhydride, acetic acid and sulphuric acid (e. g. 120-30-3 gm. for 10 gm. of cotton). In one series, the temperature was kept at 25° C. and the time varied and in another the temperature was allowed to rise during the first 75 minutes from zero to 25° C. The products

were tested for acetyl and sulphate contents and solubility in acetone, 50 per cent. acetone, and water. The results are recorded in tables and graphs. They show that the sulphuric acid is combined in the early stages but is liberated again as acetylation proceeds. The formation of a water-soluble sulpho-acetate of cellulose is indicated. - C." - Textile Inst. Jour. 31(8): A425. Aug. 1940.

3223. Cahill, J. F. For determining [cotton] yarn diameters. An easily built device will be useful in knitting mills and weaving plants: Textile World 90(10): 86. Oct. 1940. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 T315

3224. Fowler, J. L. and Hertel, K. L. Flow of a gas through porous media. Jour. Appl. Phys. 11(7): 496-502. July 1940. (Published at Prince and Lemon Sts., Lancaster, Pa.) 334.8 P563

"Kozeny's approximate solution to the problem of fluid flow through porous media is developed and the result is checked by experimental data on air flow through plugs of cotton, wool, rayon and glass wool fibres... Fibre densities determined from the gas flow data were in fair agreement with densities determined by other methods. - C" - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(17): 439. Sept. 15, 1940.

3225. Further applications of fibrograph curve. Textile Res. 10(12): 520-525. Oct. 1940. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.) 304.8 T293

Two applications of the fibrograph curve, produced by the fibrograph; "one concerning drafting and one concerning yarn structure" are discussed.

3226. Godman, G. L., Haworth, W. E., and Peat, S. Polysaccharides. Part XXXVII. Oxycellulose. [London] Chem. Soc. Jour. pp. 1908-1914. Dec. 1939. (Published by the Chemical Society, Burlington House, Piccadilly, London, W. 1, England) 332 L34J

"The oxycellulose was prepared from cotton linters by oxidation in cold acid solution with potassium permanganate (0.25N) and was obtained in 95% yield after washing with water until free from mineral acid and drying in a vacuum at 45°C... The following suggestions as to the constitution of oxycellulose are made--The fragmentation of the cellulose chain, which normally occurs under the action of alkali, is greatly accelerated if the cellulose is first treated with an acid oxidising agent, which effects the conversion of a proportion (6 1/2% in this case) of the terminal primary alcohol groups of the glucose units into carboxyl groups, but it is doubtful if this conversion is the cause of the apparent decreased stability towards

alkali of the glycosidic links. The high reducing power of the oxycellulose suggests indeed that fragmentation of the cellulose chain has already occurred during the oxidation with the formation to the extent of 50% of very short chains of glucose units, the maximum chain length being apparently 30-35 glucose units. These short-chain molecules dissolve in weak alkali and undergo degradation of the kind suffered by the reducing sugars under the same conditions. The newly-formed uronic residues would appear to be confined to the postulated molecules of oligosaccharide dimensions and hence are not found in the 0.25N-alkali-insoluble fraction. - H. H. H." - Soc. Dyers & Colourists Jour. 56(3): 138-139. Mar. 1940.

3227. Goldthwait, Chas. F. Progress of mercerization. On 50th anniversary of Lowe's patent trend is to higher speed, better control. Textile World 90(10):182-83. Oct. 1940. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 T315

3228. Haworth, W. N., Peat, S., and Wilson, W. J. Polysaccharides. Part XXXVI. Hydrocellulose. [London] Chem. Soc. Jour. pp. 1904-1908. Dec. 1939. (Published by the Chemical Society, Burlington House, Piccadilly, London, W. 1, England) 382 L84J

"The hydrocellulose employed was prepared by Imperial Chemical Industries Ltd. by soaking cotton sliver in 5% hydrochloric acid at room temperature drying first at room temperature and then at 60° C., and afterwards washing successively with cold water, cold 0.1% aqueous sodium carbonate and cold water. The material, which retained the fibrous structure of the original cotton, was separated by mechanical teasing into (1) a fine white powder (ash, 5.5%; moisture, 1.3%; copper number 5.4), and (2) fibre (ash, 0.20%; moisture, 4.5%; copper number 1.7) containing very little of the powder form... Each form gave more than 90% of crystalline glucose on acid hydrolysis. Acidic hydroxyl groups and uronic acid residues were shown to be absent from each form, and end-group assay showed that the original hydrocellulose had an average chain length of 120 glucose units and the fibrous portion a chain length of 200 units. The iodine number of the powder form corresponded to a chain length of 170 glucose units. Thus, hydrocellulose is simply a cellulose which has undergone degradation in the sense that hydrolysis of some glucosidic linkages has taken place under the influence of the mineral acid, and is constituted of fragments of the original cellulose chain molecules, the essential structure of these fragments being the same as in the parent cellulose.-H. H. H." - Soc. Dyers & Colourists Jour. 56(3): 138. Mar. 1940.

3229. Hertel, K. L. A method of [cotton] fibre-length analysis using the fibrograph. Textile Res. 10(12): 510-520. Oct. 1940. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.) 304.8 T293
References, p. 520.

"The fibrograph is an optical instrument employing photovoltaic cells for scanning samples of parallel fibres and tracing a type of length-frequency curve. The theory is developed for a sample of parallel fibres in which the fibres are positioned at random. The geometrical interpretation of the resulting curve, or fibrogram, indicates simple length and area measurements that give various average lengths and statistical quantities, such as standard deviation and coefficient of variation. Experimental fibrograms are compared with the equivalent data derived from absolute length measurements, using a projection method. The waviness and taper of the fibres, along with other minor factors, cause the fibrogram to be too short. When the length coordinates are increased 19%, the fibrogram is equivalent to the curve obtained from absolute measurements. The instrument makes possible the rapid measurement of fibre length and fibre-length uniformity of raw fibre samples."

3230. I. C. I. (Dyestuffs group), Blackley, Manchester. Shirlastain for identifying fibres. An improved stain for identifying fibres is reasonable in cost. It can also be used to determine the completion of silk degumming or the efficiency of desizing of viscose rayon or acetate. Textile Mfr. 66(787): 284-285. July 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England)
304.9 T3126

Cotton fibers are included in the discussion.

3231. Iznairskaia, N. N. L'hexylcellulose et l'éther mixte--l'ethylhexylcellulose. Jour. Applied Chem. (U. S. S. R.) 12(7): 1050-1059. 1939. (Published in Moscow, U. S. S. R.)
Libr. Cong. TP1.Z63

In Russian; French summary.

Mixed hexylcellulose and ether--ethylhexylcellulose.

"Linters were steeped in 50 per cent. caustic soda solution, matured for 24 hours and then heated with ten times the bulk of hexyl chloride under pressures up to 4 atm. at 125° for 16-24 hours. The product was a dihexyl cellulose ether. An ethylhexylcellulose was obtained by heating ethyl chloride (7 mols.), hexyl chloride (2-3) and cellulose (1) with alkali in an autoclave. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(16): 419. Aug. 31, 1940.

3232. Kaji, S. M., and Venkataraman, K. The mechanism of degradation of cellulose. Current Sci. [India] 9(2): 66-67. Feb. 1940. (Published by the Indian Institute of Science, Bangalore, India) 475 Sci23

"Cellulose has been treated with acids and oxidising

agents and submitted to attack by heat (singeing), ultra-violet radiation, and mildew. Four types of 'oxycellulose' are recognised but only one 'hydrocellulose'. Their structure is discussed on the basis of the Haworth formula for cellulose. After the fission of the 1:4-glucosidic linkings, oxidation may yield a dialdehyde, a dicarboxylic acid, or a β -ketonic aldehyde or acid. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(16): 418. Aug. 31, 1940.

3233. Kanamaru, K., and Takada, T. Über das elektrokinetische potential von zellulose under deren derivaten. Kolloid Zeitschrift 90(3): 315-319. Mar. 1940. (Published by Theodor Steinkopff, Dresden and Leipzig, Germany) 384 Z315
Footnote references.

On the electrokinetic potential of 'cellulose and its derivatives.

"A tetrode electrometer is found to give better results than the quadrant electrometer used in previous measurements of streaming potentials. Measurements of ζ -potential and specific conductivity are recorded for standard cotton cellulose (42-38 millivolts), purified ramie, α -cellulose pulp, viscose rayon, three types of cellulose acetate, and nitrocellulose of different N-contents. The values for the celluloses decreased in the order in which they are named, and values for the cellulose derivatives decreased in the order Cellulose > fibrous cellulose triacetate > nitrocellulose. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(17): 441. Sept. 15, 1940.

3234. Krotky, O., Kainz, K., and Treer, E. Cellulose: micellar structure. Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(17): 439. Sept. 15, 1940. (Published at Shirley Institute, Didsbury, England) 241.4 B77

Abstracted from Holz roh u Werkstoff 2: 409-413. 1939.

"Cavities in the micellar system of native cellulose can be studied by swelling the fibre with salts of noble metals, depositing the metal by reduction, and tracing it by means of X-rays. Canal-like intermicellar cavities seem to run in the direction of the fibre. In ramie the crystalline portion may comprise one-third of the total. The relationship of intermicellar spaces to mechanical properties is discussed. - C."

3235. Milone, M. Sulle soluzioni del celluloso negli acidi mono- e poliacetici. Congresso Internazionale di Chimica. Atti 10th, 1938, v. 3, pp. 250-255. 1939. 388 C760 10th v.3

On mono- or poly-chloroacetic acid cellulose solutions.

"With the exception of unmodified cotton, various types of cellulose dissolve more or less readily (filter paper < ramie < mercerised cotton rayon) in mono- or tri-chloroacetic acid at above 70° C. The solution darkens at temperatures

above 100° C. Cryoscopic, viscosity and surface tension measurements indicate molecular weights of 400 to 5,000. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(9): 224. May 15, 1940.

3236. Mitchell, John, Jr. Determination of moisture in native and processed cellulose. Titrimetric determination using Karl Fisher reagent. Indus. and Engin. Chem. (Analyt. ed.) 12(7): 390-391. July 15, 1940. (Published by American Chemical Society, Mills Bldg., Washington, D. C.) 381 J825
Literature cited, p. 391.

3237. Plötze, E., and Person, H. Die kristallitorientierung in faserzellulosen. Zeitschrift für Physikalische Chemie (Abteilung B) 45(3): 193-200. Jan. 1940. (Published by Akademische Verlagsgesellschaft M. B. H., Leipzig, Germany) 384 Z37B

Footnote references.

Crystallite orientation in cellulose fibers...

: "Microphotometer curves obtained from X-ray spectrographs show that the half-angle is independent of the average degree of polymerisation and is 15° for ramie fibre and 32° for cotton. The bearing of this on factors that determine the strength of fibres is stressed. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(17): 439. Sept. 15, 1940.

3238. Richardson, R. P. Cotton fibres: effect of length on spinning quality. Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(13): 317. July 15, 1940. (Published at Shirley Institute, Didsbury, Manchester, England)

Abstracted from Textile Digest (Quart. Jour. Textile Assoc. India) 1(1): 7-10. 1940.

"Some comments are offered on the influence of fibre length (and fineness) on the behaviour of cotton in the various roller drafting zones. It is argued that the benefit of long staple as a contribution to yarn strength is due to the larger number of fibres per cross-section (giving greater surface of contact) and the better array of the fibres in drafting. - C."

3239. Schopfer, W. H., and Rytz, W., jr. La ouate comme source de facteur de croissance de microorganisme. Archiv. für Mikrobiologie 8(2): 244-248. July 5, 1937. (Published by Julius Springer, Berlin, Germany) 442.8 Ar26

References, p. 248.

Wadding as a source of the growth factor of microorganisms.

"Raw cotton, but not bleached, contains small quantities of a thermo-stable, water-soluble adjuvant that promotes the growth of Phycomyces. - C." - Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 20(16): 416. Aug. 31, 1940.

3240. Tettamanzi, A. Metodo rapido di determinazione della cellulosa. Congresso Internazionale di Chimica. Atti 10th, 1938, v. 3, pp. 473-478. 1939. 383 C76C 10th, v. 3
Rapid method for the determination of cellulose.

"By using MeOH in place of EtOH to reduce temp. and more HNO₃ to increase speed of reaction (1 vol. concd. HNO₃ to 2 vols. MeOH), the time required for the reaction was reduced and the results were made more reliable. A second method using AcOH and HNO₃ also gave good results...W. F. Bruce." - Chem. Abs. 33(22): 9517. Nov. 20, 1939.

3241. Tupholme, C. H. S. Ultra-violet tests on fabrics and dye-stuffs. Textile Colorist 62(740): 515-518. Aug. 1940.

(Published at 233 Broadway, New York, N. Y.) 306.8 T31

Includes a discussion of the identification of varieties of cotton by their luminous colors.

3242. Wiegerink, James G. Effects of drying conditions on properties of textile yarns. Textile Res. 10(12): 493-509. Oct. 1940. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.) 304.8 T293
References, p. 509.

"Yarns made from raw cotton, 'purified' cotton, mercerized cotton, clothing wool, carpet wool, viscose rayon, cuprammonium rayon, cellulose acetate, and degummed silk were saturated with water and then exposed for periods of 1/2 to 6 hours in air having temperatures of 221°, 257°, and 302° F. and absolute humidities of approximately 1%, 55%, and 95%. After conditioning the dried yarns for at least 24 hours in air of 65% relative humidity and 70°F., measurements were made of the breaking strengths, elongations at break, and moisture contents of the yarns; the fluidities of dispersions of the cellulosic fibres in cuprammonium solution, of the silk in aqueous zinc chloride, and of the acetate in aqueous acetone; and the relative affinities of the cellulosic fibres for the dye Benzopurpurine 4B and of the wools for acid dyes. Heating for 6 hours at 221° F. and each of the three humidities weakened all of the yarns. The breaking strength and elongation at break of the viscose, cuprammonium, degummed silk, and cotton yarns decreased still more at higher temperatures. In comparison with heating at 1% absolute humidity, heating at 95% absolute humidity resulted in lower breaking strengths and elongations at break for all yarns except the raw cotton, higher fluidities, lower affinity of cellulosic fibres and higher affinity of wool fibres for the dyes."

See also Items nos. 3126, 3127, 3288, 3323, 3332, 3351.

Technology of Manufacture

3243. C., B. Recent tendencies in cotton spinning. Critical consideration of some important recent suggestions for improvement or economy in cotton spinning processes. Textile Mfr. 66(787): 267-268. July 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
To be continued.
3244. Dronsfield bros. limited, Atlas works, Oldham. Maintaining card clothing wire-angle. A card-wire angle gauge is now provided for checking correctness of angle after facing-up the teeth with the card-wire plane. Textile Mfr. 66(787): 280. July 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
3245. Fletcher, R. Changing to coarse counts. Textile Mercury and Argus 103(2678): 32. July 19, 1940. (Published at 41, Spring Gardens, Manchester, England) 504.8 T318
Cotton spinning processes are discussed.
3246. Kersey, John T. Textile mill production formulae. Textile Bul. 59(3): 12-13, 34-36. Oct. 1, 1940. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 So82
First of a series of articles on the manufacture of cotton yarns.
3247. Lees, Asa and co., limited, Oldham. Longer length mule cops. Harder mule cops carrying 10% to 15% more yarn in the same size are obtained by friction control of the downwards movement of the counter faller. Textile Mfr. 66(787): 279. July 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126
3248. Nazis display new spinning device at Leipsig fair. Textile Bul. 59(2): 44. Sept. 15, 1940. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 So82
The new machine, placed on display by the German dye trust, is called Vistra-spinnlunte and was "designed to simplify the spinning of cotton."
Also reported in Cotton Trade Jour. 20(42): 6. Oct. 19, 1940.
3249. Platt bros. and co. limited, Oldham. Ring spinning frames with out-end drives. A new drive and headstock gearing with other detail improvements on the ring frame. Textile Mfr. 66(787): 281. July 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126

3250. Recovery and use of waste. The manufacture of tailors' wadding and surgical dressings from cotton waste, etc. Textile Weekly 26(652): 258-260, 263. Aug. 30, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
Surgical and absorbent wadding manufacturing processes are described.
3251. Rieter, J. J. & co., ltd. An improved speed frame. Indian Textile Jour. 50(598): 288. July 1940. (Published at Military Square, Fort, Bombay, India) 304.8 In2

See also Items nos. 3132, 3235.

Technology of Consumption

3252. Cleary, Charles J. Textiles in aeronautics. Have played increasingly important part--cotton and other fabrics--strength weight ratio of webbings--parachute cordage and fabrics, performance and properties. Amer. Wool and Cotton Rptr. 54(41): 7-8, 32-33. Oct. 10, 1940. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
"Talk delivered at Symposium on Textile Preparedness for National Defense in New York last week, under auspices of American Association of Textile Technologists."
"Major uses of cotton include wing coverings, tow targets, paulins, balloon cloths, mechanics' coveralls, tire and hose carcasses, and webbings, tapes, and cordages of all types."
3253. [Cotton-textile institute, inc.] Automobile show is cotton show, says Cotton textile institute. Automobile industry to use 840,000 bales this year, estimate. Cotton Trade Jour. 20(42): 3. Oct. 19, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
Also in Cotton Digest 13(3): 5. Oct. 19, 1940.
3254. Data ready if mills turn to cotton hose. Govt. officials point out silk may have to be diverted to defense work. Daily News Rec. no. 245, pp. 1, 6. Oct. 17, 1940. (Published at 8 East 13th St., New York, N. Y.) 236.2 N48
The work of the Bureau of Home Economics of the Department of Agriculture in developing designs for cotton hosiery is noted.
3255. Hardigg, Carl A. Textiles for national defense--from the army's viewpoint. Cotton [Atlanta] 104(10): 95-96. Oct. 1940. (Published by W. R. C. Smith Publishing Company, Grant Bldg., Atlanta, Ga.) 304.8 C823

3256. Heat-resistant process for making cotton tire cords adapted to textiles for aeronautical use. Textile World 90(10): 123. Oct. 1940. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 T315
Adaptation of the HR process, developed by the Bibb Manufacturing Co., Macon, Georgia, to the manufacture of cotton yarns for parachute harness, is discussed.
3257. [National cotton council of America] New cotton tire cord ready for commercial use. Cotton council patent to provide greater strength, longer life. Cotton Trade Jour. 20(41): 6 Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
The cord was developed by Dr. R. F. Wickerson of the Cotton Research Foundation.
3258. Oppose cotton use for paper making. Jour. Com. [N. Y.] 186(14359): 3. Oct. 15, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
"A program for diverting 10,000 bales of cotton to the manufacture of fine writing paper, under consideration by the Surplus Marketing Administration" has drawn protests from the National Association of Waste Paper Materials Dealers "on the ground that cotton would compete with rags and clippings which they sell the paper industry."
3259. Pima stockings. Fancy cotton hosiery of Arizona long-staple. Ariz. Farmer Prod. 19(16): 3. Aug. 3, 1940. (Published at 313 North Third Ave., Phoenix, Ariz.) 6 Ar44
The hosiery was designed by the Bureau of Home Economics of the United States Department of Agriculture.
3260. Red cross gauze, 5,000,000 yards, sent to Rangoon. 40,000 pounds of absorbent cotton also to travel by Burma road. Cotton Trade Jour. 20(42): 1, 5. Oct. 19, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
The supplies are intended for war sufferers in free China.
3261. Rope driving. Silk and Rayon 14(7): 474, 476. July 1940. (Published at 49 Deansgate, Manchester, 3, England)
Bur. Stand.
Use of cotton driving ropes is discussed.
"Tables are given of (1) the most suitable dimensions of the pulley grooves for ropes of 1/4 in. to 2 inches diameter, (2) minimum advisable pulley diameters for ropes of 3/4 to 2 in. diam. running at 1,000 to 7,000 ft. per min. and (3) the horsepower transmitted by various "Lambeth" ropes (diameters and weights given) running at various speeds. - C" - Brit. Cotton Indus. Res. Assoc., Sum. Cur. Lit. 20(14): 357. July 31, 1940.

3262. Sea island products go on market. Cotton Digest 13(2): 3. Oct. 12, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Marketing of handkerchiefs made of sea island cotton and retailing at 50 cents each is noted.

3263. 35,000-pound cotton belt. Cotton Trade Jour. 20(40): 1. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.3 C8214

"A new conveyor belt, of 48-ounce cotton duck, has been installed and is now in operation at the workings of the Fifth Vein Coal Co., Harrisburg, Ill. the U. S. Rubber Co., maker of the belt announces. The weight of the belt, which is 1,530 feet long and 54 inches wide, is 35,000 pounds. This is the first belt to be made of duck so heavy, 42-ounce having been the high weight heretofore. Such manufactures use a lot of cotton." - Entire item.

Also in Daily News Rec. no. 227, p. 14. Sept. 26, 1940.

See also Items nos. 3120, 3129, 3133, 3142, 3145, 3250, 3304, 3326, 3333.

COTTONSEED AND COTTONSEED PRODUCTS

3264. Aceite comestible de algodón. Paraguay. Ministerio de Agricultura, Comercio e Industrias. Boletín 1(1): 11-13. Jan.-June 1940. (Published in Asuncion, Paraguay)
Edible cotton oil [production, Jan.-June 1940]

3265. Agricultural fats and oils. Farmers' Elevator Guide 35(10): 3-5. Oct. 5, 1940. (Published by the American Co-operative Publishing Company, 327 South La Salle St., Chicago, Ill.) 280.26 Am3

The importance of fats and oils, including cottonseed oil, in the agricultural economy of the United States, is discussed.

3266. Campbell, Ivan J. Cottonseed story is broadcast. Cotton Ginners' Jour. 12(1): 6, 14. Oct. 1940. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

Extracts from an address broadcast over radio station KGKO, September 14, 1940.

3267. Cottonseed cake for Egypt's trains. Cotton Digest 13(1): 14. Oct. 5, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

The use of cottonseed cake as fuel for Egyptian railways, due to a shortage of coal, is noted.

3268. Cottonseed cake for fuel. Oil Mill Gazetteer 45(4): 12. Oct. 1940. (Published in Wharton, Tex.) 307.8 O153

An editorial commenting on the use of cottonseed cake for fuel.

3269. Cottonseed is valuable. Value of seed is obtained by processing into feed products. Okla. Cotton Grower 20(3): 3. Sept. 15, 1940. (Published at 12 West Sixth St., Oklahoma City, Okla.) 72.8 Ok4
A brief account of the development of the cottonseed crushing industry and its importance to the southern states.
3270. Erwin, John R. Cottonseed chemistry; oil extraction finds a new process. Wis. Engin. 44(4): 55-56. Jan. 1940. (Published by the Wisconsin Engineering Journal Assn., 356 Mechanical Engineering Bldg., Madison, Wis.)
"The extn. of vegetable oils by solvents is discussed. - Ann Nicholson Hird." - Chem. Abs. 34(7): 2196. Apr. 10, 1940.
3271. La industria aceitera en nuestro pais. Por la estadística que damos a conocer se deduce que registra un notable aumento en la producción de aceites de girasol y algodón. Gaceta Algodonera 17(199): 6. Aug. 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11
The oil industry of our country. As the statistics are made known they show a notable increase in the production of the sun-flower and cotton oil.
3272. Julian, R. M. Bloom on cottonseed oil. Oil Mill Gazetteer 45(4): 3. Oct. 1940. (Published in Wharton, Tex.) 307.8 Oi53
The term "bloom" is defined. It is caused by the presence of small quantities of lubricating oil in the cottonseed oil.
3273. Leahy, John F. Investigations in the mechanical processing of cotton seed. Oil Mill Gazetteer 45(4): 20-24. Oct. 1940. (Published in Wharton, Tex.) 307.8 Oi53
A pressure cooker for processing cottonseed, developed at the Engineering Experiment Station of the University of Tennessee, is described.
3274. Norton, Roscoe W. Cottonseed pressure-cooking research. Mechanical Engin. 62(10): 731-735. Oct. 1940. (Published by the American Society of Mechanical Engineers, 20th and Northampton Sts., Easton, Pa.) 291.9 Am3J
Report of research on the mechanical processing of cottonseed being conducted at the Engineering Experiment Station of the University of Tennessee.
3275. National cottonseed products association, inc. Educational service. 1941 feeding practices. Natl. Cottonseed Products Assoc. Educational Serv. Bul. 17, 48pp. [Dallas, 1940] 72.9 N213B
Livestock rations including cottonseed meal or cake are given.

3276. New plastic from cottonseed hulls may have possibilities for fabrics. Tennessee university scientists optimistic on obtaining a wool-like yarn from product now being used in loom sheaves and other moulded articles. Daily News Rec. no. 255, p. 1. Oct. 26, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48
The new plastic "has just been developed by a group of University of Tennessee research workers, headed by John F. Leahy."
3277. Roddy, Roy. Crushing the state's cottonseed. The Texas cottonseed crushing industry has grown from one mill in 1867 to a \$40,000,000 industry of 151 mills in 1938-39. Tex. Weekly 16(41): 6-7. Oct. 12, 1940. (Published at Liberty Bank Bldg., Dallas, Tex.) 280.8 T31
3278. Sheets, E. W., and Thompson, E. H. Feeding cottonseed products. Indian Farming 1(6): 299-300. June 1940. (Published by the Manager of Publications, Civil Lines, Delhi, India) 22 In283
Extracts from U. S. Dept. of Agriculture, Farmers' Bulletin no. 1179, revised Dec. 1930.
Discusses feeding cottonseed products to livestock.
3279. Spies, Joseph R., Bernton, Harry S., and Stevens, Henry. The chemistry of allergens. III. The solubility behavior of an active protein picrate from cottonseed. Amer. Chem. Soc., Jour. 62(10): 2793-2799. Oct. 1940. (Published by American Chemical Society, Mills Bldg., Washington, D. C.) 381 Am33J
3280. U. S. Dept. of agriculture. Agriculture marketing service. Marketing cottonseed products. Cotton Digest 13(1): 3. Oct. 5, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
The text of a radio program broadcast September 18, 1940.
3281. U. S. Dept. of agriculture. Bureau of agricultural economics. Fats, oils, and oilseeds. U. S. Dept. Agr. Bur. Agr. Econ. Agr. Situation (Annual Outlook Issue) 24(10): 18-19. Oct. 1940. (Published in Washington, D. C.) 1 Ec7Ag
Cottonseed is included.
3282. U. S. Dept. of agriculture. Bureau of agricultural economics. Per capita consumption of fats and oils, 1912-39. U. S. Dept. Agr. Bur. Agr. Econ. Fats and Oils Situation FOS-44, pp. 7-14. Oct. 1940. (Published in Washington, D. C.) 1.9 Ec752F
A table showing apparent disappearance per capita of specified fats and oils [including cottonseed oil] (crude basis) in the United States, 1912-39, is given.

3233. U. S. Dept. of commerce. Bureau of the census. Animal and vegetable fats and oils; production, consumption, imports, exports and stocks. Quarterly for calendar years 1935 to 1939. Prepared under the supervision of Harvey J. Zimmerman. 29pp., processed. Washington, 1940. 157.41 An52
Includes cottonseed oil.
3284. U. S. Federal security agency. Food and drug administration. In the matter of the definition and standard of identity for oleomargarine. [U. S.] Natl. Arch. Fed. Register 5(199): 4057-4058. Oct. 11, 1940. (Published in Washington, D. C.) 169 F31
Docket no. F. D. C. 25.
The proposed definition and standard of identity is given.
3285. Valour, Juan G. Romano. El problema del contralor analitico de las mezclas de aceites comestibles. La Plata Univ. Facultad de Ciencias Quimicas. Rev. 14: 197-207. 1939. (Published by Facultad de Ciencias Quimicas, Universidad Nacional, La Plata, Argentina)
The problem of the analytical inspection of mixtures of edible oils.
"The most rapid, simple and exact method for the estimation of edible oils is the determination of the refractive index with Abbe's refractometer; colour reactions have only limited value, e. g. for detecting cottonseed oil. It was not possible to detect the presence of 5 to 10 per cent of sunflower seed oil mixed with olive oil. - W." - Textile Inst. Jour. 31(8): A473. Aug. 1940.

See also Items nos. 3055, 3060, 3106, 3107, 3188, 3226, 3231, 3295, 3298, 3301, 3326, 3332, 3334, 3345.

LEGISLATION, REGULATION, AND ADJUDICATION

Legislation

3286. Ascoli, W. S. The cotton industry and the war. The failure of cotton control. A criticism of control and some suggestions for the adequate and quantitative planning for government requirements, export trade and home needs. Textile Mfr. 66(787): 274-275. July 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England)
304.8 T3126
3287. British mills see need for raw cotton control. Jour. Con. [N. Y.] 185(14347): 10. Sept. 30, 1940. (Published at 63 Park Row, New York, N. Y.) 236.8 J32
"Decision of the Liverpool Cotton Exchange to close down for three full days in order to safeguard the financial position of certain member firms, who through no fault of their own have reached difficulties, owing to the tightness

of supplies, has been accepted by spinners and manufacturers without protest, although it has halted their own activities. However, there is some feeling that if the Cotton Exchange is unable or unwilling to furnish continuous market facilities for cotton then the authorities should consider establishing in full control of raw cotton, the same as it has for other raw materials."

3288. Cotton testing bill not likely to pass till after election. Agriculture department backs Smith-Doxey measure. Daily News Rec. no. 234, p. 26, Oct. 4, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 M48
 Extracts from a letter summarizing the purposes of the measure, from the Agricultural Marketing Service to Senator Smith, are included.
3289. Cox, A. B. Cotton situation. Tex. Business Rev. 14(8): 8-9. Sept. 1940. (Published by Bureau of Business Research, University of Texas, Austin, Tex.) 280.8 T312
 The cotton policy of the United States is discussed. Extracts in Cotton Trade Jour. 20(41): 7. Oct. 12, 1940.
3290. La destrucción de rastrojos de algodnero. Se está llevando a cabo una activa campaña en cumplimiento del decreto no. 37.481 del 5 de agosto de 1939 reglamentario de la ley 4863. Gaceta Algodonera 17(199): 8. Aug. 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11
 The destruction of cotton stubble. An active campaign is to be carried out in accordance with the decree no. 37,841 of August 5, 1939, regulation of the law 4863. The decree relates to pink bollworm control.
3291. Groggy "King Cotton" taken for New deal ride now needs real new deal. Cotton Digest 13(1): 8. Oct. 5, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 236.32 C822
 An editorial discussing government cotton policies.
3292. Howie, Janet K. More subsidies for Australian cotton enterprises. Far East. Survey 9(31): 253-254. Oct. 23, 1940. (Published by American Council, Institute of Pacific Relations, Inc., 129 E. 52d St., New York, N. Y.)
 A brief discussion of an official scheme to subsidize the production of cotton in Australia, factors which led to the project, the lack of success of earlier subsidy programs, the probable effect on the trade of other countries, etc.
3293. Johnson act hard on American cotton producer. Cotton Digest 13(3): 8. Oct. 19, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
 An editorial.

3294. Linz, Clarence L. Demand from South made to end curb on cotton output. Say 4 years more of New deal will cut production to third of world output. Jour. Com. [N. Y.] 186(14372): 1, 3. Oct. 30, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

Statements of Peter Molyneaux and J. E. McDonald are included.

Also reported in Cotton Digest (Memphis ed.) 13(5): 13. Nov. 2, 1940.

3295. Margarine taxes are rapped. Cotton Digest 13(1): 5. Oct. 5, 1940. (Published at Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Margarine trade barriers in Tennessee and Oklahoma were condemned by the Southern Governors Conference held at Mobile.

3296. [Murray, Robert J.] Johnson act relaxation is asked to revive export trade in cotton. Jour. Com. [N. Y.] 186(14354): 1, 13. Oct. 8, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

Also reported in Cotton Digest 13(2): 5. Oct. 12, 1940.

3297. Second defect in cotton program. Prog. Farmer (Tex. ed.) 55(11): 7. Nov. 1940. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311

An editorial which states in conclusion: "Unless something effective is done to prevent the continued accumulation of cotton in the loan, it is only a question of time until the South will be forced to reduce its cotton production still further."

3298. See all fats, oils under C. E. A. curb. Traced to "catch all" clause--regulations due soon on 10 commodities listed. Jour. Com. [N. Y.] 186(14358): 1, 2. Oct. 14, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

Included among the ten new commodities placed under the supervision of the Commodity Exchange Administration are cottonseed, cottonseed oil and cottonseed meal.

Also reported in Cotton Trade Jour. 20(42): 5. Oct. 19, 1940; Cotton Digest 13(3): 5. Oct. 19, 1940.

3299. U. S. Dept. of agriculture. Office of foreign agricultural relations. Wartime control measures. U. S. Dept. Agr. Off. Foreign Agr. Relat. Foreign Crops and Markets 41(14): 479-480. Oct. 7, 1940. (Published in Washington, D. C.) 1.9 St2F

"Significant wartime control measures affecting cotton, adopted by British India and Belgium since the beginning of hostilities in Europe" are given.

3300. U. S. Dept. of commerce. Bureau of foreign and domestic commerce. Italy. Raw cotton--official valuation for calculation of sales tax established. U. S. Bur. Foreign and Dom. Com., Com. Rpts. no. 39, p. 818. Sept. 28, 1940. (Published in Washington, D. C.) 157 C76D

"The Italian Government has fixed the official valuation of raw cotton for calculation of the sales tax at 500 lire per 100 kilos, plus the amount of the import duty and all fees or charges incidental to clearance through the customs, by an order published in 'Commercio e Finanza' of July 1940, according to Nachrichten für Aussenhandel, Berlin, July 11, 1940." - Entire item.

3301. U. S. Dept. of commerce. Bureau of foreign and domestic commerce. Paraguay--neutralized cottonseed oil--conditional duty-free import quota established. U. S. Bur. Foreign and Dom. Com. Com. Rpts. no. 38, p. 800. Sept. 21, 1940. (Published in Washington, D. C.) 157 C76D

"A Paraguayan decree (no. 2,073) of June 28, 1940, authorized the duty-free importation of up to 1,500,000 kilos of neutralized cottonseed oil to cover domestic requirements... The neutralized cottonseed oil exempted from duty within the above-mentioned quota must be imported before the harvest of the next cotton crop."

See also Items nos. 3325, 3355.

Regulation

3302. C. E. A. interprets cotton sales limit to trade. Holds protective straddle shorts to be hedges, longs speculation. Jour. Com. [N. Y.] 186(14349): 1, 15. Oct. 2, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

An interpretation by the Commodity Exchange Administration of the recent order of the Commodity Exchange Commission, limiting speculative accounts in cotton futures to 50,000 bales.

3303. Control of materials, industry and trade. Textile Mfr. 66(787): 261, 260. July 1940. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, England) 304.8 T3126

British wartime regulations, including the prohibition of raw cotton exports to all European destinations are given.

3304. Cotton and caroa for bagging gain ground in Brazil. Native fibers to be substituted for jute or used in mixtures. Cotton Trade Jour. 20(40): 6. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C3214

A resolution passed by the Brazilian Commission for the Defense of the National Economy and requiring the mixing of 10 per cent of national fibers with jute, is noted.

3305. Cotton quota is proclaimed. Subject to approval of producers, 12,000,000 bales set for 1941. Tex. Co-op. News 20(10): 1. Oct. 15, 1940. (Published by Texas Co-operative Publishing Co., Inc., 1100-1106 South Ervay St., Dallas, Tex.) 72.9 T315F
3306. Cotton referendum procedure in December same as in 1939. All Texas cotton producers will be given opportunity to vote again on quota question. Tex. Co-op. News 20(10): 1. Oct. 15, 1940. (Published by Texas Co-operative Publishing Co., Inc., 1100-1106 South Ervay St., Dallas, Tex.) 72.9 T315F
3307. England fixes top prices for cotton from U. S. and Egypt. Leaves other kinds free--maximum prices also put on Liverpool futures. Jour. Com. [N. Y.] 186(14348): 1, 14. Oct. 1, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82
3308. [Great Britain. Cotton controller, Cotton controller fixes maximum raw cotton prices. Textile Weekly 26(657): 424. Oct. 4, 1940. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
 "The establishment of maximum prices at a fixed level is obviously no more than a temporary measure and consideration is now being given to a more permanent regulation of cotton prices in this country in accordance with the movement of world prices."
3309. 1941 parity payment regulations announced. Tex. Co-op. News 20(10): 3. Oct. 15, 1940. (Published by Texas Co-operative Publishing Co., Inc., 1100-1106 South Ervay St., Dallas, Tex.) 72.9 T315F
 "The provisions under which producers of corn, cotton, rice, tobacco and wheat may earn 1941 parity payments have been announced by the Agricultural Adjustment Administration."
3310. Poor farmer! Cotton Trade Jour. 20(41): 2. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
 Editorial comment on the plan permitting producers to sign over Commodity Credit Corporation loan rights to the cooperatives.
3311. Sommer, Robert. "Between two chairs" is cotton and all the industry of France. Prohibitions seek to eke out scanty supplies while war rolls on. Cotton Trade Jour. 20(42): 1, 5. Oct. 19, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
 Wartime regulations affecting the French textile industry are noted.

3312. Trade's and cooperative's views of "producer's warranty" differ. Cotton Trade Jour. 20(41): 1, 3. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Views of Garner E. Tullis and H. C. Williamson "as to the net effect of the arrangement under which producers are permitted to sign over to the cooperatives their CCC loan rights," are given.

3313. Transit cotton substitution. Traffic World 66(13): 751. Sept. 28, 1940. (Published at 413 S. Market St., Chicago, Ill.) 288.8 T672

Excerpts from reply of American Cotton Cooperative Association to petition of L. T. Barringer & Co. for reconsideration of the Interstate Commerce Commission's ruling permitting substitution of truck cotton for rail cotton.

3314. U. S. Dept. of agriculture. Agricultural adjustment administration. Order providing for designation of authorized representatives of secretary of agriculture for purposes of the regulations pertaining to cotton marketing quotas for 1940-1941 marketing year, cotton 407. [U. S.] Natl. Arch. Fed. Register 5(211): 4280-4281. Oct. 29, 1940. (Published in Washington, D. C.) 169 F31

3315. U. S. Dept. of agriculture. Agricultural adjustment administration. Part 711--Administrative review, publication and notice of marketing quotas for tobacco, corn, wheat, cotton, and rice. [U. S.] Natl. Arch. Fed. Register 5(200): 4062-4063. Oct. 12, 1940. (Published in Washington, D. C.) 169 F31

Amendment no. 2.

3316. U. S. Dept. of agriculture. Agricultural adjustment administration. Part 722--Regulations pertaining to cotton marketing quotas for the 1940-41 marketing year. 1940 county normal cotton yields. [U. S.] Natl. Arch. Fed. Register 5(201): 4071-4074. Oct. 15, 1940. (Published in Washington, D. C.) 169 F31
Cotton 431.

3317. [U. S. Dept. of agriculture. Surplus marketing administration.] Export time limit on subsidy cotton is extended again. Cotton Trade Jour. 20(43): 3. Oct. 26, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

"The time limit for actual exportation under the 1939-40 Cotton and Cotton Products Export Program has been extended from October 31 to December 31, 1940, for lint cotton, and from November 30 to December 31, 1940, for cotton products."

3318. U. S. Dept. of commerce. Bureau of foreign and domestic commerce. China. Japanese place cotton distribution under control. U. S. Bur. Foreign and Dom. Com., Com. Rpts. no. 39, p. 810. Sept. 28, 1940. (Published in Washington, D. C.) 157 C76D

"According to the Japanese press, regulations have been promulgated by the Asia Development Board governing the distribution of raw cotton in North China. The military forces have first claim on purchases, followed by local mill demand, then the demand of Japan and Manchuria in that order. Local consumption is to be controlled by the North China Cotton Association, a combination of the mills and Japanese authorities, and prices are to be fixed by the Japanese, with prices on cotton for military use on a different scale than for commercial use." - Entire item.

See also Items nos. 3174, 3175.

Adjudication

3319. Tax claim is denied in C. C. C. cotton suit. High court refuses review of lower opinion barring priority over U. S. lien. Jour. Com. [N. Y.] 186(14365): 1, 7. Oct. 22, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J82

"The United States Supreme Court...refused to accept a test challenge of the right of state and local governments to levy personal property taxes against farm commodities held as security for advances made by the Commodity Credit Corporation under its loan program." Fresno County, California had levied a \$300,000 assessment against loan cotton.

MISCELLANEOUS--GENERAL

3320. Alabama. Agricultural experiment station. Forty-ninth annual report, January 1 to December 31, 1938. 29pp. Auburn [1939]

Partial contents: Time of turning winter legumes for cotton and corn, p. 9; Cotton variety tests, p. 10; Methods of inoculating soil with the cotton wilt organism, p. 10.

3321. Argentine Republic. Junta nacional del algodón. El algodón en la República Argentina. Argentine Republic. Junta Nacional del Algodón [Pub.] 46, 4pp. Buenos Aires [1940] 281.3729 Ar3

Cotton in the Argentine Republic.

Discusses briefly production, exports, outlook and cotton zones.

3322. Bland, Berry J. Mill-worker looks at the South. Third generation traces progress of the human element in southern mills. Textile World 90(10): 72-73. Oct. 1940. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 F315

3323. British textile industries--1. Traditions of craftsmanship and quality. Indian Textile Jour. 50(598): 283. July 1940. (Published at Military Square, Fort, Bombay, India) 304.8 In2
3324. Burr, C. H. The National cotton council. Acco Press 18(10): 13-14. Oct. 1940. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2
 "Radio address over radio station KPRC, on the Gulf Coast Council of Agriculture farm program, from Houston, Texas, September 28, 1940."
 The work of the National Cotton Council of America is commented upon.
3325. Chamber of commerce of the United States. Agricultural department. Adjustments in the agricultural industry; production, distribution and prices under the adjustment administration. 55pp. Washington, D. C., 1940.
 Partial contents: Cotton [exports], pp. 22-23; The acreage adjustment program--cotton, pp. 28-29; The federal commodity loan program--cotton loans; pp. 35-36.
3326. Cost figures on mattresses. Tables showing cost figures for early September [1940] on three basic mattresses as obtained from factories in ten different regions. Bedding Mfr. 59(3): 22-24, 26, 28, 32, 34, 36-38, 40. Oct. 1940. (Published by the Better Bedding Alliance of America, 608 South Dearborn St., Chicago, Ill.) 309.8 B39
3327. Cotton research foundation. Report of the Cotton research foundation; research agency for National cotton council of America, June 29, 1940. 8pp. [Memphis, Tenn., 1940]
3328. Daniels, Jonathan. A native at large. Nation 151(12): 246. Sept. 21, 1940. (Published at 55 Fifth Ave., New York, N. Y.) 110 N
 Brief article discussing the sale of company-owned mill villages to workers.
3329. [Fisher, Russell T.] U. S. faces most serious crisis, Fisher tells convention banquet. Cotton manufacturers' chief says industry must prepare for eventualities. Cotton Trade Jour. 20(41): 7. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
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Partial contents: Crop rotation studies with corn, cotton, crotalaria and Austrian peas, p. 40; Sea island cotton fertilizer experiments, p. 63.

3331. [Gardiner, George W.] Saga of Slater and his old mill is retold at textile convention. Gardiner relates personal story of founder of American factory system. Cotton Trade Jour. 20(41): 7. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

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3332. Georgia. Agricultural experiment station. Fifty-second annual report...for the year 1939-40. 93pp. Experiment, [1940] 100 G298 52d 1939/40.

Partial contents: Cotton variety tests, pp. 11-14; Cotton breeding, pp. 14-15; Relation of plant and fiber characters to yield of cotton, pp. 15-16; New nematode species parasitic on cotton roots, p. 16; The relation of nematode species to cotton wilt in Georgia, p. 17; The effect of potash on yield and wilt of cotton, 1939, pp. 17-18; Delinting and treating cottonseed, pp. 18-20; Comparison of peanut meal and cottonseed meal for fattening cattle, p. 41; Cotton nutrition, p. 57.

3333. Georgia official sees problems growing out of home mattress making projects. Bedding Mfr. 39(3): 55. Oct. 1940. (Published by the Better Bedding Alliance of America, 608 South Dearborn St., Chicago, Ill.) 309.8 B39

Bedding law enforcement problems that may arise as a result of the federal home mattress making project are commented upon.

3334. India. Bombay. Dept. of agriculture. Annual report...1938-39. 324pp. Bombay, Govt. central press, 1940. 22 B63A

Partial contents: The improvement of crops--cotton, pp. 12-15; Seed supply--cotton, pp. 24-27; Cotton marketing, pp. 38-39; Research and experiment--Cotton-breeding and manuring, pp. 63-65; Regulated cotton markets, pp. 78-79; Jalgaon cotton breeding research scheme, pp. 82-83; Cotton-variatal trials, p. 91; Cotton--cotton breeder's section, pp. 102-104; Propaganda--cotton, pp. 112-113; Cotton breeding, pp. 125-131; Seed multiplication--cotton, p. 132; Manuring experiments with cotton, pp. 132-135; Cotton boll-worm control, p. 143; Cotton boll-worm control scheme,

pp. 147-148; Cotton selections, pp. 158-159; Cotton wilt breeding schemes, pp. 207-209.

3335. La Junta nacional del algodón en su reunión celebrada el día 7 del actual tomó diversas resoluciones. Fueron incorporados tres nuevos miembros. Gaceta Algodonera 17(199): 16-17. Aug. 31, 1940. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

The Junta Nacional del Algodón at its meeting held the 7th day passed many resolutions. Three members were added.

The resolutions are given.

Also reported in Argentine Republic, Junta Nacional del Algodón, Boletín Mensual no. 65, pp. 412-414. Sept. 1940.

3336. Lloza, Julio A., and Reichart, Norberto. Organización algodoneira del estado de São Paulo. Argentine Republic, Junta Nacional del Algodón, Boletín Mensual no. 65, pp. 415-422, Sept. 1940. (Published in Buenos Aires, Argentina) 72.9 Ar3

Cotton organization of the state of São Paulo.

3337. Hooney, Booth. Cotton industry fights for its life. War chest of one million dollars is being raised within the industry for cotton research and promotion. Booth Hooney describes the work of the National cotton council. Tex. Weekly 16(39): 4-5. Sept. 28, 1940. (Published at Liberty Bank Bldg., Dallas, Tex.) 280.8 T31

3338. [Murchison, C. F.] Murchison calls for "cotton bureau of America." Nationwide group to unify everyone from grower to final distributor held essential to "stronger economic basis for cotton" in coming decade. Daily News Rec. no. 251, p. 13. Oct. 21, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 M48

Address before the 14th annual meeting, Cotton-Textile Institute, Inc., New York City, October 23, 1940.

3339. Murray, John W. Urge sharp change in selling methods of cotton industry. Murchison asks mills to take offensive after decade of stagnation. Annual usage sought of ten million bales. Converters, brokers and industrial users dissect flaws in distribution of gray goods. Jour. Com. [N. Y.] 186(14387): 1, 13. Oct. 21, 1940. (Published at 63 Park Row, New York, N. Y.) 286.8 J32

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12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

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3341. [National association of cotton manufacturers. Cotton committee.] Large expense of govt. cotton aid programs cited. Daily News Rec. no. 240, p. 16. Oct. 11, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

Extracts from a report presented at the annual convention, Providence, R. I., October 10, 1940.

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3342. [National cotton council of America] Cotton council collection plan gets aid of CCC. Government agency finds no objection to levy of nickel-a-bale. Cotton Trade Jour. 20(41): 6. Oct. 12, 1940. (Published at Cotton Exchange Bldg.; New Orleans, La.) 72.8 C8214

3343. [Nichols, John P.] Year-round cotton education held a realistic goal. Cooperation of Institute of distribution in promotion described. Daily News Rec. no. 251, pp. 12, 14. Oct. 24, 1940. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

Extracts from address before the 14th annual meeting of the Cotton-Textile Institute, Inc., New York City, October 23, 1940.

3344. [Noelte, Albert E.] "Our heritage from Samuel Slater" is Noelte subject at old mill shrine. Cotton Trade Jour. 20(41): 7. Oct. 12, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214

Extracts from address before the annual convention of the National Association of Cotton Manufacturers, Providence, R. I., October 9, 1940.

Extracts also in Daily News Rec. no. 240, p. 16. Oct. 11, 1940; Amer. Wool and Cotton Rptr. 54(42): 15, 17, 19, 21. Oct. 17, 1940.

3345. [North Carolina state grange] North Carolina grange adopts resolutions at meeting. Cotton and Cotton Oil Press 41(22): 16. Oct. 26, 1940. (Published at 3110-3118 Commerce St., Dallas, Tex.) 304.8 C822

Resolutions including one on cottonseed marketing, adopted at the annual convention, held at Salisbury "this past week" are given.

3346. Robbins, Carl B. The king cotton partnership. 9pp., processed. Washington, U. S. Dept. of agriculture, Commodity credit corporation, 1940.
An address at the Pawtucket Sesqui-Centennial Cotton Celebration, October 12, 1940.
The joint interests of the cotton farmer and the textile manufacturer are discussed.
Also in Cong. Rec. 86(196): 20726-20728. Oct. 24, 1940.
3347. Rochester, Anna. Why farmers are poor; the agricultural crisis in the United States. 317pp. New York, International publishers [1940] 281.12 R58
Reference notes, pp. 295-305.
Partial contents: Large farms and small--the South, pp. 55-70; Export crops lose markets--cotton, pp. 215-223; Cotton and the South as a whole, pp. 273-279.
3348. St. Lucia. Dept. of agriculture. Report...1939. 38pp. St. Lucia, Govt. print. off., 1940. 102 W527 1939
Cotton [production] p. 9.
3349. [Texas state-wide cotton committee] Research must supply cotton market. Cotton Ginners' Jour. 12(1): 16. Oct. 1940. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824
Report of meeting held at Hillsboro, Texas, September 21, 1940.
3350. Textile outlook bright, Murchison assures spinners. National defense requirements provide greatest stimulus, he points out. Cotton Trade Jour. 20(40): 4. Oct. 5, 1940. (Published at Cotton Exchange Bldg., New Orleans, La.) 72.8 C8214
Brief report of meeting of the Carded Yarn Group held in Greenville, S. C., "this week," is given.
3351. Uganda protectorate. Department of agriculture. Annual report. (Part II) for the year ended 30th June, 1939. 84pp. Entebbe, 1940. 24 Ug12
Partial contents: Cotton pests, pp. 24-27; Cotton (breeding), pp. 33-36; Variety trials, pp. 36-37; District trials, pp. 37-39; Cotton cultivation experiment, pp. 39-40; Wilt diseases, pp. 40-41; Wilt and variety, pp. 41-42; Variety, spacing and sowing date trial, pp. 46-48; District variety trials, pp. 49-51; Seed type in the commercial cotton crop, pp. 51-52; Cotton seed multiplication, p. 52; Spinning tests, pp. 52-53; Report on provincial programme of experimental work (cotton), pp. 69-70.

3352. U. S. Dept. of agriculture. Technology on the farm; a special report by an Interbureau committee and the Bureau of agricultural economics of the United States Department of agriculture. 224pp. [Washington] U. S. Govt. print. off., 1940. 1 Ag84Tec

Literature cited, pp. 223-224.

Partial contents: Tillage and harvesting implements [mechanical cotton picker] pp. 14-15; Changes in plants [cotton] p. 25; Plants--cotton, p. 159.

3353. U. S. Dept. of agriculture. Agricultural adjustment administration. The AAA notebook, east central edition. various paging. Washington, D. C., 1940. (ECD-1)

This publication was compiled to make "available to AAA field workers in a brief and concise form information concerning the farm problem and the provisions of the AAA program." Included in the 13-page section on cotton is a table giving rayon production, cotton equivalent, and rayon price, 1911-38.

3354. Wagle, A. F. The industry study. Modernizing an educational activity. Banking 35(3, sec. 2): 5-6. Sept. 1940. (Published by the American Bankers Association, 22 East 40th St., New York, N. Y.) 284.8 Am3

Brief report of a study of the San Joaquin Valley cotton industry during the 1939-1940 season made by the Central San Joaquin Valley Chapter of the American Institute of Banking as part of its educational program.

3355. Wool labeling passed. "Virgin" dropped from definitions--FTC to administer--effective in nine months. Textile World 90(10): 66. Oct. 1940. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 T315

The bill requires the makers of wool products to label them so that purchasers will know their exact wool content.

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C O T T O N R E P O R T S

ISSUED CURRENTLY BY UNITED STATES GOVERNMENT DEPARTMENTS

U. S. Department of Agriculture, Agricultural Marketing Service
 Crop Reports (Summarized in Crops and Markets, which is issued monthly):
 to be issued Dec. 9, 1940.

Grade and Staple Reports:

Semi-Monthly Cotton Grade and Staple Report: issued at Washington during the active ginning season.

Semi-monthly reports for each state: issued during the principal part of the ginning season.

Market News Reports:

Cotton Quotations: issued weekly at Atlanta, Ga., Memphis, Tenn., and Dallas and El Paso, Tex.

Report of the Designated Spot Cotton Markets: issued daily at Atlanta, Ga.

Weekly Cotton Market Review: issued at Washington, D. C., Atlanta, Ga., Memphis, Tenn., and Dallas and El Paso, Tex.

Weekly Cottonseed Review: issued at Memphis, Tenn., and Atlanta, Ga.

Weekly Review--American Cotton Linters: issued at Washington, D. C.

U. S. Department of Agriculture, Bureau of Agricultural Economics
 Cotton Situation: issued monthly.

U. S. Department of Agriculture, Commodity Exchange Administration

Daily Reports on Volume of Sales for Future Delivery and Open Contracts: issued at New York, New Orleans and Chicago.

Deliveries in Settlement of Futures Contracts on New York and New Orleans Cotton Exchanges: to be issued Nov. 30, 1940, Jan. 31, Mar. 31, May 31, July 31, Oct. 31, 1941.

Trade in Cotton Futures: issued monthly at New York, (Vol. 1, No. 1, Mar. 1940.)

Unfixed Call Purchases and Sales of Cotton Based on New York Futures: issued weekly at Chicago, New York and New Orleans.

Volume of Trading, All Markets: issued monthly at Washington.

U. S. Department of Commerce, Bureau of the Census

Activity in the Cotton Spinning Industry: issued monthly.

Cotton Consumed, on Hand, Imported and Exported, and Active Cotton Spindles: issued monthly.

Cottonseed Products Manufactured and on Hand at Oil Mills: issued monthly.

Cottonseed Received, Crushed, and on Hand, and Cottonseed Products Manufactured, Shipped out, on Hand and Exported: issued monthly.

Exports and Imports of Cottonseed Products: issued monthly.

Report on Cotton Ginnings: to be issued Nov. 21, Dec. 9, 20, 1940; Jan. 23, Mar. 20, 1941.

U. S. Department of Commerce, Bureau of Foreign and Domestic Commerce

Textile Raw Materials: issued weekly.

Textiles and Allied Products: issued weekly.

